# MIDDLEBURY COLLEGE

## 1966-1967
## CATALOGUE

**Middlebury College Bulletin**

# Calendar for 1966-67

**1966**

**SEPTEMBER**

15—Thursday, Freshman Week begins
18—Sunday, Freshman Convocation (10:45 a.m.) Mead Chapel
19—Monday, classes begin (8 a.m.)

**OCTOBER**

1—Saturday, Alumni Homecoming Day (College in Session)
22—Saturday, Parents' Weekend (College in Session)

**NOVEMBER**

5—Saturday, UVM football game away (Classes end at 11 a.m. 8, 9, 10 o'clock classes at usual hour, 11:00 classes at 4:00 p.m. on November 4)
23—Wednesday, Thanksgiving Recess begins (12 noon)
28—Monday, classes resume (8 a.m.)

**DECEMBER**

17—Saturday, Christmas Recess begins (12 noon)

**1967**

**JANUARY**

4—Wednesday, Classes resume (8 a.m.)
19—Thursday, First Semester classes end (5 p.m.)
23—Monday, Final Examinations begin

**FEBRUARY**

1—Wednesday, Examinations end
6—Monday, Second Semester classes begin (8 a.m.)
23—Thursday, Winter Carnival Recess begins (5 p.m.)
27—Monday, Classes resume (8 a.m.)

**APRIL**

1—Saturday, Spring Recess begins (12 noon) (Easter, March 26)
10—Monday, Classes resume (8 a.m.)

**MAY**

25—Thursday, Classes end (5 p.m.)
29—Monday, Final Examinations begin

**JUNE**

7—Wednesday, Examinations end
11—Sunday, Baccalaureate
12—Monday, Commencement

**1966-67**

**SEPTEMBER**

| S | M | T | W | T | F | S |
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**OCTOBER**

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**NOVEMBER**

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**DECEMBER**

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**JANUARY**

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**FEBRUARY**

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**1967**

**MARCH**

| S | M | T | W | T | F | S |
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**APRIL**

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**MAY**

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**JUNE**

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**JULY**

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**AUGUST**

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| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | .. | .. |

# MIDDLEBURY COLLEGE BULLETIN

## CATALOGUE NUMBER 1966-1967

ONE HUNDRED AND SIXTY-SEVENTH YEAR

*August 1966*

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# Government

## President and Fellows—The Corporation

JAMES ISBELL ARMSTRONG, PH.D. (1963) — Middlebury
President of the College

## Life Trustees

*(Calendar year indicates first date of election)*

EGBERT C. HADLEY, A.B., B.S., D.ENG. (1936) — Middlebury
Chairman of the Board and President of the Corporation
Engineer, retired, Remington Arms Co., Inc.

L. DOUGLAS MEREDITH, A.B., M.A., PH.D. (1960) — Montpelier
Vice-Chairman of the Board
Executive Vice President and Chairman,
Committee on Finance, National Life Insurance Co.

ELBERT C. COLE, M.A., PH.D. (1939) — Middlebury
Secretary of the Corporation
Samuel Fessenden Clarke Professor of Biology, Emeritus,
Williams College

STEWART ROSS, M.D., F.A.C.S. (1936) — Rutland
Physician and Surgeon

CARLETON H. SIMMONS, B.S. (1938) — Boston, Mass.
Hayden, Stone, Incorporated

FRED P. LANG, B.S. (1940) — New York, N. Y.

JOSEPH P. KASPER, B.S. (1940) — New York, N. Y.
Former President, Associated Merchandising Corporation

LEON S. GAY, PH.B. (1942) — Brandon
Former President, Vermont Historical Society

MOSES G. HUBBARD, A.B., LL.B., LL.D. (1945) — Utica, N. Y.
Attorney, Hubbard, Felt & Fuller

ALICE GUEST HOWSON, A.B., M.A. (1948) — Poughkeepsie, N. Y.
Study Counselor, Vassar College

ROBERT DUTTON PROCTOR, A.B., M.F.A. (1955) — Proctor
First Vice President and Treasurer, Vermont Marble Company

PARIS FLETCHER, B.S., LL.B. (1956) — Worcester, Mass.
Attorney, June, Fletcher & Whipple

RAYMOND J. SAULNIER, PH.D., LL.D. (1958) — New York, N. Y.
Professor of Economics, Columbia University
Former Chairman, President's Council of Economic Advisors

ARNOLD R. LAFORCE, B.S., M.B.A., PH.D. (1961) — New York, N. Y.
President and Director, Central Securities Corp.

## Term Trustees

| | *First Elected* | *Expiration Date* | |
|---|---|---|---|
| WILLIAM S. YOUNGMAN, A.B., LL.B.<br>Chairman, American International Underwriters Corporation | 1962 | 1967 | New York, N. Y. |
| DOROTHEA E. HIGGINS, A.B.<br>Personnel Director, William Hengerer Co. | 1961 | 1968 | Buffalo, N. Y. |
| FOSTER R. CLEMENT, JR., A.B.<br>Vice President, retired, Chase Manhattan Bank | 1960 | 1969 | Manchester |
| ALEXANDER HAMILTON FULTON | 1964 | 1970 | New York, N. Y. |
| JOHN KRUESI, A.B. | 1964 | 1971 | Signal Mt., Tenn. |

## Alumni Trustees

| | | | |
|---|---|---|---|
| ROBERT T. STAFFORD, B.S., LL.B., LL.D.<br>Member of Congress-Vermont | 1961 | 1967 | Washington, D. C. |
| HAMILTON SHEA, A.B.<br>Vice President and General Manager Gilmore Broadcasting Corporation of Virginia | 1963 | 1968 | Harrisonburg, Va. |
| MARIAN G. CRUIKSHANK, A.B., M.A.<br>Teacher, Dr. Leo T. Doherty Memorial High School | 1964 | 1969 | Worcester, Mass. |
| ADRIAN C. LEIBY, B.S., LL.B.<br>Attorney, LeBoeuf, Lamb & Leiby | 1965 | 1970 | New York, N. Y. |
| CHESTER H. CLEMENS, B.S.<br>Vice-President, Loomis, Sayles & Co., Inc. | 1966 | 1971 | Boston, Mass. |

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CARROLL RIKERT, JR., A.B., M.B.A., C.P.A. — Middlebury
Treasurer and Assistant Secretary of the Corporation

## Trustees Emeriti

| | |
|---|---|
| HALL PARK MCCULLOUGH, A.B., LL.B., LL.D. (1919) | North Bennington |
| GEORGE H. V. ALLEN, C.E., LL.D. (1938) | Fair Haven |
| WALTER H. CLEARY, A.B., LL.B., LL.D., J.S.D. (1941) | Newport |
| HORACE S. FORD, LL.D. (1942) | Cambridge, Mass. |
| GERTRUDE CORNISH MILLIKEN, B.S., M.A., ED.D. (1948) | North Dighton, Mass. |

# Corporation Committees

*(The first person listed is the Chairman)*

### Prudential

Egbert C. Hadley*, President James I. Armstrong*, Stewart Ross, Leon S. Gay, Elbert C. Cole, Robert D. Proctor, Paris Fletcher, L. Douglas Meredith, Arnold R. LaForce, Fred P. Lang (Alternate), George H. V. Allen (Emeritus)

### Finance

Fred P. Lang, Carleton H. Simmons, L. Douglas Meredith, Arnold R. LaForce, Raymond J. Saulnier, William S. Youngman, Horace S. Ford (Emeritus), George H. V. Allen (Emeritus), Hall P. McCullough (Emeritus)

### Auditing

Paris Fletcher, Moses G. Hubbard, Hamilton Shea, Robert T. Stafford, Horace S. Ford (Emeritus)

### Summer Schools

L. Douglas Meredith, Mrs. J. Howard Howson, Foster R. Clement, Jr., Marian G. Cruikshank, Elbert C. Cole, Dorothea E. Higgins

### Instruction

Elbert C. Cole, L. Douglas Meredith, Carleton H. Simmons, Mrs. J. Howard Howson, Raymond J. Saulnier

### Buildings and Grounds

Leon S. Gay, Robert D. Proctor, Moses G. Hubbard, Foster R. Clement, Jr., L. Douglas Meredith, Alexander Hamilton Fulton (Alternate), President James I. Armstrong*, Carroll Rikert, Jr.*

### Battell Forest and Park

Stewart Ross, Robert T. Stafford, Alexander Hamilton Fulton, John Kruesi, Walter H. Cleary (Emeritus)

### Law

Moses G. Hubbard, Paris Fletcher, Robert T. Stafford, William S. Youngman, Adrian C. Lieby, Walter H. Cleary (Emeritus), Hall P. McCullough (Emeritus)

### Budget

Egbert C. Hadley*, President James I. Armstrong*, Carroll Rikert, Jr.,* Fred P. Lang, Paris Fletcher, L. Douglas Meredith

### Honorary Degrees

Raymond J. Saulnier, Joseph P. Kasper, Carleton H. Simmons, William S. Youngman, Mrs. Joseph K. Milliken (Emerita)

### New Trustees

Carleton H. Simmons, Stewart Ross, L. Douglas Meredith, Egbert C. Hadley, Fred P. Lang

### Scholarships and Student Loans

Joseph P. Kasper, Raymond J. Saulnier, Foster R. Clement, Jr., Hamilton Shea, Chester H. Clemens

**Conference**

Elbert C. Cole, Moses G. Hubbard, Mrs. J. Howard Howson, Joseph P. Kasper, Robert D. Proctor

**Athletics**

Stewart Ross, Joseph P. Kasper, Carleton H. Simmons, Hamilton Shea, John Kruesi, Fred P. Lang (Alternate)

**Porter Hospital**

Stewart Ross, Elbert C. Cole, Moses G. Hubbard, Marian G. Cruikshank, President James I. Armstong*, Carroll Rikert, Jr.*, Walter E. Brooker*

**Committees**

Egbert C. Hadley*, President James I. Armstrong*, Fred P. Lang, Paris Fletcher, L. Douglas Meredith

**Library and Abernethy Collection and Flanders Ballad Collection**

Mrs. J. Howard Howson, Dorothea E. Higgins, Adrian C. Leiby, Alexander H. Fulton, Chester H. Clemens

**Walker Furlough and Emergency Fund**

President James I. Armstrong*, Carroll Rikert, Jr.*, John G. Bowker†

*Ex-officio †Member of the Faculty

# Academic Administration and Staff

| | |
|---|---|
| James Isbell Armstrong, ph.d.<br>President (1963) | 3 South Street |
| Walter Eric Brooker, a.b.<br>Vice President and Director of Development Program (1956) | 35 South Street |
| John Gerald Bowker, ed.m., l.h.d.<br>Dean of the Faculty (1953) | 14 Adirondack View |
| Stephen Albert Freeman, ph.d., ll.d., l.h.d., litt.d.<br>Director of the Language Schools (1946)<br>Vice President Emeritus (1943) | 24 South Street |
| Mrs. Elizabeth Baker Kelly, a.b.<br>Dean of Women (1946) | 5 College Street |
| George Dennis O'Brien ph.d.<br>Dean of Men (1965) | 85 Weybridge Street |
| Fred F. Neuberger, a.b.<br>Director of Admissions (1955) | Gorham Lane |
| Edward Sommers, a.b.<br>Assistant Director of Admissions (1963) | R.D. 2, Middlebury |
| Frances Rodgers Hall a.b.<br>Assistant Director of Admissions (1964) | 39½ Seminary Street |
| Marylee Jane Hancock a.b.<br>Assistant Director of Admissions (1965) | Chipman Heights |
| Marion Elizabeth Holmes, a.b.<br>Registrar (1937) | 54 High Street |
| Mrs. Elizabeth S. Cormier, a.b.<br>Assistant Registrar (1945) | 16 South Street |
| Lynn W. Hinman, a.b.<br>Director of Student Activities (1960) | R.D. 3, Middlebury |
| Gordon Condit Perine, a.b.<br>Director of Alumni Relations and Placement (1951) | 22 South Street |
| H. Franklin Irwin, a.b., ph.d.<br>Director of Financial Aid (1965) | 97 Court Street |
| Peter Randolph Decker, a.b., m.a.<br>Assistant to the President (1964) | Cornwall |
| Charles D. Brakeley, a.b.<br>Assistant Director of Development (1964) | 5 South Street |
| Patricia J. Hokanson, a.b.<br>Executive Secretary to the President (1963) | 3 College Street |
| Barbara Anna Wells a.b., m.a.<br>Executive Secretary to the Challenge Fund (1964) | R.D. 3, Middlebury |
| Lewell S. Walker, m.d.<br>Medical Advisor of the College (1957) | 82 Main Street |
| Wilton Warner Covey, a.b., m.d.<br>Psychiatric Consultant (1966) | Cornwall |

| | |
|---|---|
| Mrs. Elizabeth Bristol, r.n.<br>Head College Nurse (1958) | Infirmary |
| George Hambre Huban, b.s.<br>Editor, News Letter and Publications (1940) | Washington Street Extension |
| Horace Palmer Beck, ph.d.<br>Director of Flanders Ballad Collection (1956) | Ripton |
| Mrs. Barbara Filan<br>Secretary of the Language Schools (1956) | 55 Seminary Street |
| Max P. Petersen, a.b.<br>Editor, News Services (1962) | 50 Shannon Street |
| Mrs. Martha G. Symonds, a.b.<br>Feature Services Editor (1962) | 33 Weybridge Street |

## The Library Staff

| | |
|---|---|
| John R. McKenna, a.b., b.l.s.<br>Librarian (1964) | R.D. 1, Middlebury |
| Louise E. Robinson, a.b.<br>Assistant Librarian (1945) | 15 Weybridge Street |
| Lockwood Merriman, a.b., m.a.<br>College Archivist (1965) | 12 Hillcrest Road |
| Mrs. Lucy R. Eddy, a.b., b.l.s.<br>Head Cataloger (1963) | 6 Murdock Court |
| E. Anne Eberle, b.a., m.l.s.<br>Assistant Cataloger (1965) | 6 Benedict Lane |
| Helen M. Davis, a.b.<br>Assistant Reference Librarian (1961) | Ripton |
| Richard Serena b.s., m.s.<br>Order Librarian (1965) | 12 Weybridge Street |

## Business Administration and Staff

| | |
|---|---|
| Carroll Rikert, Jr., m.b.a., c.p.a.<br>Treasurer (1952) | 45 South Street |
| James D. Ross, m.b.a.<br>Business Manager (1956) | Cornwall |
| Luther Van Ummersen, a.b., c.p.a.<br>Comptroller (1965) | 104 South Main Street |
| J. Wilber Smith<br>Assistant Comptroller (1926) | Cornwall |
| George J. Gillis, b.s.<br>Assistant Comptroller (1962) | 126 South Main Street |
| Mrs. Laura G. Conlon<br>Cashier (1943) | 22 High Street |
| Norman D. Hadley<br>Assistant to the Comptroller (1965) | 112 South Main Street |

| | |
|---|---|
| Mrs. Ruth E. Leonard<br>Secretary to the Treasurer (1957) | Brandon |
| Bernard R. Carpenter, b.s.<br>Assistant Business Manager (1961) | 8 Hillcrest Road |
| John H. Bardes, b.a.r.<br>Director of Physical Plant Construction (1966) | |
| Harvey N. Drinkwine<br>Superintendent of Maintenance and Operations (1956) | Salisbury |
| George A. Wishart<br>Purchasing Agent (1965) | South Street Ext. |
| Ralph O. Myhre<br>Golf Course and Snow Bowl Manager (1951) | Gorham Lane |
| George J. Commins<br>Supervisor of Custodial Personnel (1963) | 163 Court Street |
| Henry P. Clook<br>Shop Foreman (1965) | Brandon |
| Gordon C. Holden<br>Grounds Foreman (1965) | Wallingford |
| Gordon B. Bridges, Jr.<br>Director of Dining Halls and Dormitory Operations (1955) | Gorham Lane |
| Carl Peabody, b.s.<br>College Store Manager (1962) | East Middlebury |
| Joseph C. Doria<br>Assistant to Director of Dining Halls (1965) | South Street Ext. |
| Lois G. Thorpe, b.s.<br>Dietitian (1950) | Economics House |
| Bruce H. Young<br>Assistant Manager College Store (1965) | 53 North Pleasant Street |

## The Coaching Staff

Walter J. Nelson, b.s.
Director of Intercollegiate Athletics, varsity football coach, varsity and freshman golf coach (1932)

Robert R. Sheehan, a.b.
Freshman football coach, varsity and freshman ski coach, freshman baseball coach (1945)

Erkki W. Mackey, b.s.
Assistant football coach, freshman basketball coach, varsity and freshman track coach (1956)

Joseph J. Morrone, Jr., b.s., ed.m.
Varsity soccer coach, freshman hockey coach, varsity lacrosse coach (1959)

Wendell F. Forbes, a.b.
Assistant football coach, varsity hockey coach, varsity baseball coach (1962)

James G. Alaimo, a.b.
Freshman soccer coach, varsity basketball coach, freshman lacrosse coach (1964)

Richard W. Waterman
Athletic Trainer (1956)

# Faculty

| | |
|---|---|
| JAMES ISBELL ARMSTRONG, A.B. AND PH.D., PRINCETON<br>President, and Professor of Classics (1963) | 3 South Street |
| JOHN GERALD BOWKER, B.S., TUFTS; ED.M., HARVARD; L.H.D., TUFTS<br>Dean of the Faculty (1953)<br>John C. Baldwin Professor of Mathematics (1926) | 14 Adirondack View |
| JAMES GERALD ALAIMO, A.B., BROWN<br>Instructor in Physical Education for Men (1964) | Painter Hall |
| KARL L. ANDERSON, B.S., MOUNT ALLISON; PH.D., HARVARD<br>George Adams Ellis Professor of Economics (1957) | Pleasant View Terrace |
| JOHN THAYER ANDREWS, A.B., AMHERST; M.A., HARVARD<br>Professor of Philosophy (1936) | 57 South Street |
| GEORGE WILBON BAHLKE, A.B., UNIVERSITY OF CHICAGO AND SWARTHMORE; M.A., UNIVERSITY OF CHICAGO; PH.D., YALE<br>Assistant Professor of English (1961)<br>*On leave, 2nd Semester, 1966–67* | Cornwall |
| BREWSTER BALDWIN, A.B., WILLIAMS; PH.D., COLUMBIA<br>Associate Professor of Geology (1958) | R.D. 1, Middlebury |
| DONALD HENRY BALLOU, A.B., YALE; PH.D., HARVARD<br>Beman Professor of Mathematics (1942)<br>*On leave, 1966–67* | 27 Weybridge Street |
| DAN BECHTER, B.S., IOWA STATE; M.A., YALE<br>Instructor in Economics (1965) | 81 Weybridge Street |
| HORACE PALMER BECK, A.B. AND PH.D., UNIVERSITY OF PENNSYLVANIA<br>Associate Professor of American Literature (1956) | Ripton |
| RONALD R. BIELLI, B.S. AND M.A., UNIVERSITY OF VERMONT<br>Assistant Professor of Mathematics (1956) | 5 Storrs Avenue |
| LESLIE COLE BIGELOW, A.B. AND PH.D., HARVARD<br>Associate Professor of Philosophy (1952) | 15 Chipman Heights |
| CLAUDE LOUIS BOURCIER, AGRÉGÉ DE L'UNIVERSITÉ, PARIS<br>Professor of French (1937); Dean of the French Summer School (1947)<br>*On leave, 1st Semester, 1966–67* | 11 Adirondack View |
| FREDERICK C. CABOT, A.B., AND PH.D., HARVARD<br>Instructor in English (1966) | 5 Green Mt. Place |
| R. BRUCE CARROLL, B.A., UNIVERSITY OF VERMONT; M.A., WAYNE STATE; PH.D., UNIVERSITY OF CHICAGO<br>Associate Professor in Political Science (1965) | 6 Hillcrest Road |
| PHILLIP WILKINSON CARRUTH, A.B., HAMILTON; M.A., SYRACUSE; PH.D., UNIVERSITY OF ILLINOIS<br>Professor of Mathematics (1966) | 1 Adirondack View |

ALAN CARTER, MUS. D., UNIVERSITY OF VERMONT
Professor of Music (1939) — 36 Seminary Street

SALVATORE JOSEPH CASTIGLIONE, B.A. AND PH.D., YALE
Jean Thomson Fulton Professor in Italian (1966) — 3 College St. Apt. 1

WILLIAM B. CATTON, A.B., M.A., UNIVERSITY OF MARYLAND; PH.D., NORTHWESTERN
Associate Professor of History (1964) — R.D. 3, Middlebury

CATHERINE CENTENO (MRS.), B.S. AND M.A., MIDDLEBURY
Lecturer in Spanish (1949) — 105 South Main Street

JAMES G. CHAPMAN, B. MUS. AND M. MUS., MICHIGAN; PH.D., NEW YORK UNIVERSITY
Assistant Professor of Music (1959) — 3 Storrs Avenue

CHUNG-YING CHIH, B.S., NAT'L TSING HUA UNIVERSITY; PH.D., UNIVERSITY OF CALIFORNIA
Professor of Physics (1954) — 77 Main Street

JOHN H. CLAGETT, B.S., U. S. NAVAL ACADEMY; PH.D., YALE
Associate Professor of English (1955) — Locust Lane

NICHOLAS ROWLAND CLIFFORD, B.A., PRINCETON; M.A. AND PH.D., HARVARD
Assistant Professor of History (1966) — R.D. 2 Cornwall

CAPT. FERDINAND M. A. COLLINS, B.S., NORWICH
Assistant Professor of Military Science (1965) — Battell Block

PETER J. CONEY, B.A., COLBY; M.S., UNIVERSITY OF MAINE; INGÉNIEUR, ÉCOLE NATIONALE SUPÉRIEURE DU PETROLE; PH.D., UNIVERSITY OF NEW MEXICO
Assistant Professor in Geology (1964) — 38 College St.

REGINALD LANSING COOK, A.B., M.A., LITT.D., MIDDLEBURY; A.B., OXFORD
Julian W. Abernethy Professor of American Literature (1929) — Pulp Mill Bridge Road

MARY ANN COOMBS, B.S., PENNSYLVANIA STATE
Instructor in Physical Education (1966)

ROBERT G. CORNWELL, B.A., HAVERFORD; M.A. AND PH.D., PRINCETON
Assistant Professor of Physics (1965) — 3 Storrs Avenue

JOHN V. CRAVEN, A.B., BOWDOIN; PH.D., SYRACUSE
Associate Professor of Economics (1956) — Gorham Lane
*On leave, 1966–67*

DAVID ESMOND CROWLEY, A.B., MIDDLEBURY; M.A., UNIVERSITY OF VERMONT; PH.D., PRINCETON
Assistant Professor of Psychology (1966) — R.D. 1, Middlebury

PAUL MARSDEN CUBETA, A.B., WILLIAMS; PH.D., YALE
Professor of English (1952) — 39 Seminary Street
Director of Bread Loaf School of English (1964)

ELIOT ALEXANDER DALEY, A.B., AND M.A., FRESNO STATE; B.D., SAN FRANCISCO THEOLOGICAL SEMINARY
Lecturer in Religion (1966) — 34 South St.
*Assistant Chaplain (1965)*

JOANN A. DITTMER (MISS), B.S., IDAHO; M.S., WISCONSIN
Visiting Assistant Professor of Physical Education for Women (1966) — Hubbardton, Vt.

CAPTAIN RICHARD I. EDWARDS, B.S., U. S. MILITARY ACADEMY
Assistant Professor of Military Science (1964) — 8 Seminary Street

ALBERT HUNTER EWELL, JR., A.B., HAVERFORD; PH.D., NEW YORK UNIVERSITY
Associate Professor of Psychology (1952) — 28 Weybridge Street

MISCHA HARRY FAYER, A.B., UNIVERSITY OF MINNESOTA; PH.D., COLUMBIA
Professor of Russian, Director of the Russian Summer School (1943) — Pulp Mill Bridge Road

CAPT. RODNEY THERON FINKLE, B.I.D., PRATT INSTITUTE
Assistant Professor of Military Science (1966)

WENDELL FORBES, A.B., MIDDLEBURY
Assistant Professor of Physical Education for Men (1962) — Halladay Road

ABBOT S. GAUNT, A.B., AMHERST; PH.D., UNIVERSITY OF KANSAS
Assistant Professor in Biology (1963) — East Middlebury

ROBERT WILLARD GLEASON, A.B., MIDDLEBURY; PH.D., M.I.T.
Assistant Professor of Chemistry (1960) — 31 Weybridge Street

FLORIAN MAXIMO GONZALEZ, LICENCIADO IN PHILOSOPHY, SALAMANCA; M.A., CITY COLLEGE IN NEW YORK
Instructor in Spanish (1966) — Hillcrest Hall

SAMUEL GUARNACCIA, A.B. AND M.A., MIDDLEBURY
Professor of Spanish (1940)
Dean of the Spanish Summer School (1947) — R.D. 1, Seymour Street

GRANT HOPKINS HARNEST, A.B., KNOX; PH.D., UNIVERSITY OF VIRGINIA
John G. McCullough Professor of Chemistry (1943) — 125 South Main Street

WILLIAM HARRIS, A.B. AND PH.D., HARVARD
Associate Professor of Classics (1956) — R.D. 1, Seymour Street

ARTHUR KELLY DAVID HEALY, A.B., PRINCETON; M.F.A., PRINCETON SCHOOL OF ARCHITECTURE
Professor of Fine Arts (1943) — R.D. 1, Middlebury

URSULA MARGARETE HEIBGES, A.B., CATHOLIC UNIVERSITY OF AMERICA; M.A., COLUMBIA; PH.D., BRYN MAWR
Assistant Professor of Classics (1961)

THOMAS HILL HIBBARD, A.B., POMONA; PH.D., CLAREMONT
Assistant Professor in Economics (1966)

ROBERT WEBBER HILL, JR., B.A., M.A., PH.D., HARVARD
Assistant Professor of English (1966) — 135 So. Main St.

HAROLD BRADFORD HITCHCOCK, A.B., WILLIAMS; PH.D., HARVARD
Albert D. Mead Professor of Biology (1943) — Locust Lane

CHARLES LEONARD HOAG, A.B., ALBION; PH.D., CLARK
Professor of Political Science (1947) — 89 Weybridge Street

PHILIP K. HOOPER, A.B., HAMILTON; M.A. AND PH.D., HARVARD
Assistant Professor of Mathematics (1966) — R.D. 2, Middlebury

THOMAS HUBER, M.A. AND PH.D., PRINCETON
Assistant Professor of German (1966)
Director of Studies at the Graduate School of German, Mainz (1966–67)

JOHN ROWLAND ILLICK, A.B., SYRACUSE; PH.D., HARVARD
Professor of Geography (1946) — 16 Springside Road

TRAVIS B. JACOBS, A.B., PRINCETON; M.A., COLUMBIA
Instructor in History (1965) — 7 Weybridge Street

JOHN JOSEPH KELLY, A.B. AND M.A., MIDDLEBURY
Professor of Physical Education for Men (1936) — 5 College Street

ARTHUR JOSEPH KNOLL, A.B., BATES; A.M., NEW YORK UNIVERSITY; PH.D., YALE
Assistant Professor of History (1966) — 19 Chipman Park

MARJORIE E. LAMBERTI, A.B., SMITH; M.A. AND PH.D., YALE
Assistant Professor of History (1964) — 7 Weybridge Street

FRANK G. LANE, B.S., M.I.T.; M.D., UNIVERSITY OF VERMONT
Director of Teacher Training and Lecturer in Mathematics (1949–51, 1962) — Cornwall

RUSSELL J. LENG, A.B., MIDDLEBURY; M.A., AMERICAN UNIVERSITY
Instructor in Political Science (1966) — Starr Hall

JEAN PAUL LEREDE, DOCTORAT-ES-LETTRES, PARIS
Visiting Lecturer in French (1966)
*First Semester*

MARY ELIZABETH LICK, A.B., LAKE ERIE; M.S., SMITH
Associate Professor of Physical Education for Women (1956) — 125 South Main Street

DAVID J. LITTLEFIELD, A.B., SPRING HILL; M.A. AND PH.D., YALE
Associate Professor of English (1953–56, 1959) — 46 Shannon Street

ERKKI W. MACKEY, B.S., SPRINGFIELD
Assistant Professor of Physical Education for Men (1956) — 45 Seminary Street

VINCENT HERSCHEL MALMSTRÖM, A.B. AND PH.D., UNIVERSITY OF MICHIGAN
Associate Professor of Geography (1956–57, 1958) — R.D. 3, Middlebury

EDWARD ALEXANDER MARTIN, A.B., PRINCETON; M.A. AND PH.D., COLUMBIA
Assistant Professor of English (1961) — 33 Seminary Street
Assistant Director of the Bread Loaf Writers' Conference (1965)
*On leave, 1st Semester, 1966-67*

JOHN REDMOND MCKENNA, A.B., QUEENS; B.L.S., MCGILL
Librarian (1964) — R.D. 1, Middlebury

DONALD C. MELL, B.A. AND M.A., YALE; PH.D., UNIVERSITY OF PENNSYLVANIA
Assistant Professor in English (1965) — R.D. 1, Middlebury

LOCKWOOD MERRIMAN, A.B., HARVARD; M.A., COLUMBIA
Associate Professor (1947)
College Archivist (1965) — 12 Hillcrest Road

ELEANOR MILLER, A.B., SYRACUSE
Lecturer in German (1966) — Battell Block 21

JOSEPH J. MORRONE, JR., B.S., UNIVERSITY OF MASSACHUSETTS; ED.M., WORCESTER STATE
Assistant Professor of Physical Education for Men (1958) — 70 Court Street

WALTER ALLEN MOYER, JR., B.S., PHILADELPHIA COLLEGE OF PHARMACY; PH.D., UNIVERSITY OF DELAWARE
Associate Professor of Chemistry (1951) — 9 Adirondack View

ROBERT BRUCE MUIRHEAD, II, B.F.A., RHODE ISLAND SCHOOL OF DESIGN; M.F.A., BOSTON UNIVERSITY
Instructor in Fine Arts (1964) — 4 Hillcrest Road

HOWARD MCCOY MUNFORD, B.S., MIDDLEBURY; PH.D., HARVARD
Professor of American Literature (1941) — 41 South Street

PAUL E. NELSON, A.B., AUGUSTANA; M.A., UNIVERSITY OF CHICAGO
Instructor in Political Science (1963) — 105 South Main Street
*On leave, 1966–67*

RALPH D. NELSON, JR., B.A., COLBY; PH.D., PRINCETON
Assistant Professor of Chemistry (1965) — 2 South Street

WALTER JOHN NELSON, B.S., MIDDLEBURY
Professor of Physical Education for Men;
Director of Intercollegiate Athletics (1932–36, 1946) — Pulp Mill Bridge Road

FRED F. NEUBERGER, A.B., MIDDLEBURY
Director of Admissions (1955) — Gorham Lane

DANIEL UHRY NEWMAN, A.B., BARD
Visiting Lecturer in English (1966) — R.D. 1, Middlebury

JANET GAY NEWMAN (MRS.), B.A., BENNINGTON
Visiting Lecturer in Physical Education for Women (1966) — R.D. 1, Middlebury

BERTHE O. NORMANO (MRS.), GRAD., WOMEN'S UNIVERSITY OF PETROGRAD
Lecturer in Russian (1960) — 3 Storrs Avenue

VICTOR LAWRENCE NUOVO, A.B., HOPE; B.D., NEW BRUNSWICK THEOLOGICAL SEMINARY; PH.D., COLUMBIA
Assistant Professor in Religion (1962) — 66 Shannon Street

GEORGE DENNIS O'BRIEN, B.A., YALE; PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Philosophy
Dean of Men (1965) — 85 Weybridge Street

NORMAN W. OFSLAGER, A.B. AND M.A., OHIO UNIVERSITY; PH.D., CORNELL
Associate Professor of Sociology-Anthropology (1963) — Cornwall

RAFAEL OSUNA, LICENCIADO EN FILOSOFIA Y LETRAS, UNIVERSITY OF MADRID; PH.D., BROWN
Assistant Professor in Spanish (1964)
*(On Leave 1966–67)*

ROBERT PACK, A.B., DARTMOUTH; M.A., COLUMBIA
Assistant Professor of English (1964) — Cornwall

BRUCE BIGELOW PETERSON, A.B., MIDDLEBURY; PH.D., SYRACUSE
Assistant Professor of Mathematics (1962) — 40 South Street

LT. COLONEL ALFRED PHILLIPS, B.S., CITY COLLEGE OF NEW YORK; ED.M., WAGNER COLLEGE
Professor of Military Science (1965) — 37 Chipman Park

EDWIN L. POOL, B.S. AND PH.D., IOWA STATE
Associate Professor of Chemistry (1954) — Rogers Road

CHANDLER ARMSTRONG POTTER, A.B., AMHERST; M.F.A., YALE
Assistant Professor of Drama and Designer for the Theatre (1956) — 18 Springside Road

HENRY BEALL PRICKITT, A.B., AMHERST; PH.D., HARVARD
Professor of English (1948) — Blinn Lane

DAVID L. PROUTY, A.B., COLGATE; PH.D., TULANE
Assistant Professor of Psychology (1959) — 3 Storrs Avenue

ROBERT F. REIFF, A.B., UNIVERSITY OF ROCHESTER; PH.D., COLUMBIA
Associate Professor of Fine Arts (1958) — Gorham Lane

ORLAND BRUCE REYNOLDS, B.S., COLLEGE OF IDAHO; PH.D., BOSTON UNIVERSITY
Assistant Professor of Biology (1962) — Gorham Lane

E. KIRK ROBERTS, A.B., EARLHAM; PH.D., HARVARD
Associate Professor of Chemistry (1952) — 46 High Street

NORMAN B. SCHWARTZ, A.B., CITY COLLEGE OF NEW YORK; M.A., UNIVERSITY OF PENNSYLVANIA
Instructor in Anthropology (1962) — 4 Storrs Avenue

CHARLES POWELL SCOTT, A.B., OHIO STATE; B.D., PRINCETON THEOLOGICAL SEMINARY
Chaplain and Associate Professor of Religion (1951) — 6 Storrs Avenue

ROBERT R. SHEEHAN, A.B., MIDDLEBURY
Assistant Professor of Physical Education for Men (1945) — R.D. 1, Middlebury

ALFRED W. SHEPHERD, A.B., MIDDLEBURY
Lecturer in Russian (1965) — 10 Weybridge St.

DAVID KINGSBURY SMITH, A.B., MIDDLEBURY; PH.D., HARVARD
Professor of Economics (1950) — Chipman Heights

MAJOR CHARLES P. SPALDING, A.B., UNIVERSITY OF VERMONT
Assistant Professor of Military Science (1963) — 41 Chipman Park

M. KIMBERLY SPARKS, A.B. AND PH.D., PRINCETON
Jean Thomson Fulton Associate Professor in German (1966) — R.D. 2, Middlebury

FREDERIC WASHBURN SWIFT, A.B. AND M.A., HARVARD; M.A., NEW YORK UNIVERSITY
Lecturer in Psychology (1956) — 77 Main Street

HARRIS E. THURBER, A.B., UNIVERSITY OF VERMONT; PH.D., PRINCETON
Associate Professor of Political Science (1951) — 14 Elm Street

PARDON E. TILLINGHAST, A.B., BROWN; PH.D., HARVARD
Professor of History (1947) — 6 Adirondack View

GEORGE B. TODD, A.B., AMHERST;
M.B.A., STANFORD; M.F.A., PRINCETON
Instructor in Music (1965) — 95 Main Street

JOAN LOUISE TOWNE, B.S., SKIDMORE; M.S., SMITH
Assistant Professor of Physical Education for Women (1960) — East Middlebury

JEAN ANTOINE VADON, LICENCE-ES-LETTRES, DIPLOME D'ETUDES SUPERIEURES C.A.P.E.S.
Assistant Professor in French (1962) — R.D. 3, Middlebury

VAN HORN VAIL, A.B., UNIVERSITY OF WASHINGTON;
M.A. AND PH.D., PRINCETON
Assistant Professor of German (1966) — R.D. 2, Middlebury

ERIE THEODORE VOLKERT, A.B., LAWRENCE;
M.A., NORTHWESTERN
Professor of Drama and Director of the Theatre (1941) — 54 North Pleasant Street

PETER WALTON, A.B., WILLIAMS
Lecturer in Fine Arts (1947) *First Semester* — Morningside Drive

JAMES MAYER WATKINS, A.B., PENNSYLVANIA STATE;
M.A., MIDDLEBURY; C.A.E.F.E., PARIS
Associate Professor of French and
Director of the Language Laboratory (1958) — Pulp Mill Bridge Road

JOHN T. WENDERS, A.B., AMHERST; M.A., UNIVERSITY OF HAWAII;
M.A., NORTHWESTERN
Instructor in Economics (1963) — 33 Chipman Park

BENJAMIN FRANKLIN WISSLER, B.S., MUHLENBERG;
M.A., COLUMBIA; D.SC., MUHLENBERG
Professor of Physics (1930) — 23 Weybridge Street

KLAUS HEINRICH WOLFF, A.B., WABASH;
PH.D., UNIVERSITY OF CHICAGO
Associate Professor of Economics (1956) — Locust Lane

HOWARD EUGENE WOODIN, B.S., UNION; PH.D., PURDUE
Associate Professor of Botany (1953) — R.D. 3, Middlebury

PORTER WOODS, B.A., BROWN; M.A.,
UNIVERSITY OF OREGON; D.F.A., YALE
Assistant Professor of English (1965) — 118 So. Main Street

EDWARD HENRY WORTHEN, B.A., M.A., PH.D., UNIVERSITY OF MICHIGAN
Assistant Professor of Spanish (1966)

JOHN JAMES ZIEGLER, PH.B. AND M.A., UNIVERSITY OF CHICAGO
Visiting Professor of Philosophy (1966) — 2 Adirondack View

## Assistants in Instruction

| | |
|---|---|
| WILLIAM D. ARMSTRONG, A.B. | Assistant in Geology |
| MICHELE EDELSTEIN, A.B. | Directress of the Chateau |
| | Assistant in French |
| BARBARA FIELITZ | Assistant in German |
| BETSY H. GLEASON (MRS.), A.B. | Assistant in Teacher Training |

| | |
|---|---|
| Marion Munford (Mrs.), A.B. | Assistant in Biology |
| James Nash, B.S. | Assistant in Physics |
| Regine C. Servet, Licence-es-Lettres | Assistant Directress of the Chateau |
| | Assistant in French |
| Monika Sutter | Assistant in German |
| Betty K. Thurber (Mrs.), A.B. | Assistant in Teacher Training |
| Jacqueline R. Vadon (Mrs.), C.A.P.E.S. | Associate in French |
| Denise Watkins (Mrs.) | Assistant in French |

## Emeriti

| | |
|---|---|
| Douglas Stowe Beers, PH.D.<br>Hudson Professor Emeritus of English (1925) | Middlebury |
| Léa Zoe Binand, brevet supérieur<br>Assistant Professor Emerita of French (1929) | France |
| Walter Thompson Bogart, PH.D.<br>Jermain Professor Emeritus of Political Science (1937) | Middlebury |
| Arthur Milton Brown, A.B.<br>Professor Emeritus of Physical Education (1918) | Moravia, New York |
| Alfred Mitchell Dame, M.A.<br>Professor Emeritus of Latin and Greek (1928) | Palm Beach, Florida |
| Stephen Albert Freeman, PH.D., LL.D., L.H.D., LITT.D.<br>Professor Emeritus of French (1925)<br>Vice President Emeritus (1943) | Middlebury |
| Burt Alden Hazeltine, M.A.<br>Professor Emeritus of Mathematics (1924) | Wellfleet, Massachusetts |
| Robert Dugald Hope, LL.B.<br>Assistant Treasurer of the Corporation, Emeritus (1914) | Middlebury |
| Laila Adelaide McNeil, A.B.<br>Librarian Emerita (1913) | St. Johnsbury |
| Werner Neuse, PH.D.<br>Professor Emeritus of German (1932) | New Brunswick, N.J. |
| Perley Chesman Perkins, A.B., M.A.<br>Professor Emeritus of English (1923) | Middlebury |
| James Stuart Prentice, M.A.<br>Professor Emeritus of Economics (1931) | Carlisle, Pennsylvania |
| Bruno Moritz Schmidt, M.A.<br>Professor Emeritus of Geology (1925) | Middlebury |
| Russell George Sholes, M.A.<br>Professor Emeritus of Sociology (1927) | Middlebury |
| Samuel Sommerville Stratton, PH.D., LL.D., D.C.I.<br>President Emeritus (1943) | Rutland |
| Phelps Nash Swett, B.S., M.A.<br>Professor Emeritus of Geography & Drafting (1909) | Middlebury |
| Ruth Wood Temple, A.B.<br>Assistant Dean Emerita of Women (1922) | Rutland |
| Viola Chittenden White, PH.D.<br>Curator Emerita of Abernethy Library (1933) | Middlebury |

# The College

## THE HISTORY OF MIDDLEBURY COLLEGE

Middlebury College was an indigenous product of 19th century democracy, financed from the thin purses of local citizens, and expressive of multiform culture brought from southern New England.

A miller, two lawyers, a doctor, and a President of Yale University conceived the first plan for Middlebury College on the night of September 30, 1798. The miller was Gamaliel Painter, whose name the oldest college building in Vermont still bears; the lawyers, Seth Storrs, donor of the campus of the men's college, and Samuel Miller, who entertained the group at this original meeting; the doctor, Darius Matthews, a probate judge as well as physician; and the Yale President, the great Timothy Dwight.

Some thirty log cabins and frame houses, surrounded by wilderness, comprised the settlement at Middlebury in 1798. No road had yet been built to the pioneer village. The State of Vermont as a part of the Union was only seven years old and its Legislature still roved from town to town for its annual meeting. Grist and saw mills, a few shops for mechanics and blacksmiths, a rough inn and a brewery offered the principal commercial accent to the village. Not even a church had been constructed. Still the establishment of a college as well as a grammar school seemed imperative to these immigrants from Connecticut.

President Dwight, in his visit of a single night, helped to outline a plan for procedure, but it took two years to persuade the Legislature that the request for founding a college in this wilderness should be honored. A charter was finally granted on November 1, 1800, and Jeremiah Atwater, a Yale graduate, appointed President; seven students were admitted the following day and Middlebury was under way, lodged in a building just completed for the Addison County Grammar School. President Atwater and one tutor comprised the entire administrative and teaching staff. Under them the first student was graduated in August, 1802.

Greek and Latin were the core of the curriculum in those early years. Mathematics—ranging from "vulgar arithmetic" to trigonometry—history, geography, natural philosophy, astronomy, rhetoric, law, logic, metaphysics, and ethics rounded out a four-year program, with vocational purpose noted in such courses as navigation and surveying. A disciplinary system, based on the temper of the law of Moses and the text of Yale College rules and regulations, kept a student's nose to the academic grindstone. As occasion for new rules of conduct arose, they were properly phrased, and appropriate fines attached. Students were their own janitors, laid their own hearth fires, lugged their water from outdoor cisterns, often cooked their own meals. Daily chapel prayers before dawn began the day and a daily chapel service at dusk ended it.

It was distinctly a man's college. Women were not even admitted inside

the rail fence which surrounded the campus protectively. Yet the village of Middlebury did not neglect the education of women. Within three years after the men's college was started, a "Female Academy," one of the first in America, was established here; and it was in Middlebury that Emma Hart Willard opened her first school for girls in a building now owned by the College, and wrote what has been called the *Magna Carta* for higher education of women. Although the College did not become co-educational for over eighty years after it was founded, the tradition for women's education was strongly fixed at an early date. In spite of repeated earlier appeals, women were not admitted until 1883, after the alumni had petitioned for the change. Joseph Battell gave the College the land for the women's campus in 1909.

The Middlebury College Summer Language Schools of English, French, German, Italian, Russian, and Spanish, which began with a German session in 1915, have achieved international reputation. In 1966, Chinese was added. The foreign language schools were pioneers in the development of specialized summer schools for the study of modern languages under a faculty of native instructors. The Bread Loaf School of English and the Bread Loaf Writers' Conference have served as models for similar undertakings in various parts of the country. In 1949, the Graduate School of French in France was inaugurated, followed by the Graduate Schools of Spanish in Spain, German in Germany and Italian in Italy.

## EDUCATIONAL PURPOSE

Middlebury College believes in the importance of the liberal arts and the liberal sciences. It believes that the central purpose of undergraduate education is the development of the human mind as broadly and as deeply as possible. The most compelling argument for the liberal arts is that besides providing the pleasure of doing something well, they enlarge the intellect and interests and bring an awareness of the concerns and problems of the rest of the community, laying upon men a mandate of reason toward restraint as well as toward freedom. The intrinsic values of liberal study are finally the most important and practical of all; when they appear, they illuminate the possibilities of what it can mean to be an intelligent and responsible human being. At Middlebury College the creative and performing arts are strongly supported. The cultivation of human sensibility through active involvement in the Arts is one of the fundamental goals of education in the Humanities.

Middlebury College aims to prepare its students through study of the humanities and languages, and through the disciplines of the social and natural sciences, to respond intelligently to an ever-changing social, political, and scientific world. In this liberal environment the student comes to an awareness of his cultural heritage, the relation of his special field to his heritage, an understanding of the physical world in which he lives, and an ability to think analytically and critically.

Middlebury College hopes to unlock the capacities and powers of its students in rational thinking, curiosity, imagination, and sensitivity, and to direct these human energies not only toward education as a continuing proc-

ess of self-education, but also toward social responsibility and leadership. This concept rests firmly on the base of an identifiable liberal tradition, a rational philosophy, and a belief that has been cherished and cultivated for 166 years at Middlebury.

## LOCATION

Middlebury College is located on a broad hill overlooking a typical Vermont village and a wide sweep of Champlain Valley, with the Green Mountains visible to the east and the Adirondacks to the west. Most of the college buildings are constructed of grey limestone or white marble, their colonial architecture consistent with the mountain setting of the extensive campus.

The campus includes about 250 acres for buildings, athletic grounds, and Otter Creek shoreline, and a mountain campus ten miles to the east. The United States Government maintains an adjacent area, formerly owned by the College, as part of the Green Mountain National Forest. Both tracts are used by students for outings and winter sports.

Middlebury lies halfway between Burlington and Rutland, Vermont. Students not arriving by automobile should come via the New York Central to Albany, N.Y., and make bus connections on the Vermont Transit Lines to Middlebury. There is bus service from Montreal, Boston, and New York City on the Greyhound and Vermont Transit Lines. There is also scheduled airline service to Burlington from Boston via Northeast Airlines and from New York and Albany via Mohawk Airlines. Information about the local Middlebury Airport is available in the *Airmen's Guide*. There is no railroad passenger service direct to Middlebury. Baggage can be sent by railway express.

## BUILDINGS

**Administration Building** (1836) The Old Chapel, built of grey limestone and for years used as the chief recitation hall, was completely remodeled in 1941 and turned over to administrative offices. Here are located the Old Chapel Room and the offices of the President, the Vice President, the Treasurer, the Deans, the Registrar, the Business Manager, the Comptroller, and the Editor of Publications.

**Allen Hall** (1963) is constructed of slate from Fair Haven, the home for many years of Cecile Child Allen '01, in whose memory it is named. It houses seventy women students and four house residents and is divided into four separate sections of varying size. In each section is a suite for the resident and a study lounge. Women agreeing to speak German, Russian, or Spanish are assigned to separate sections, each under the direction of a resident speaking that language.

**Atwater House** is a three-story white frame dormitory on a tree-shaded street close to the campus, with accommodations for twenty students.

**Battell Halls** (1950 and 1955) are located on the approach to the Château, and east of Pearsons Hall. They are constructed of grey limestone and house two hundred and fifty women. The North and South sections of this dormitory house freshmen; the Center section, sophomores and juniors.

**Carr Hall** (1951), located on College Street east of Forest Hall, is a two-story grey limestone building constructed in memory of Reid Langdon Carr, '01, a former Trustee. The building contains rooms and a large studio for the use of the Fine Arts Department.

**The Château** (1925) Middlebury College was a pioneer in the plan of the separate language house, where the residents use the foreign language exclusively while in the building. The Château is one of the oldest and still the largest "maison française" in the United States. Its architecture was inspired by the Pavillon Henri IV of the palace of Fontainebleau. The Château contains a large salon and a Salon Louis XVI with authentic panels from the Hotel Crillon in Paris and furnishings of the period; a library, classrooms, offices, a dining room, and rooms for forty-eight women.

**Charles A. Dana Auditorium,** completed in September 1965, and named in honor of Mr. Dana, benefactor of the College, is a fine modern 270-place amphitheatre. Functioning as a part of the Sunderland Language Center, and connected with its electronic studios, it is used not only by the Language Schools, but by the whole College for concerts, lectures and other academic and cultural meetings.

**Chemistry Building** (1913) The Department of Chemistry has its own three-story marble building. Laboratories, lecture rooms, faculty offices and special purpose rooms are located on all three floors as well as in the basement. The library, consisting of 5,400 volumes, is contained within the building on the first and second floors. Inflammable and hazardous chemicals are stored in a separate structure adjacent to the main building.

**Economics House** (1909) houses the Faculty Lounge; the offices, library, and rooms of the Economics Department; and the Alumni Center, with offices of the Alumni and Alumnae Secretaries and the Placement Bureau.

**Forest Hall** (1936) is a women's dormitory constructed of grey limestone and containing sixty-three double suites of two rooms and connecting lavatory, attractive reception rooms and dining rooms. It was built with funds derived from the sale of a large acreage of mountain forest to the federal government.

**Gifford Hall** (1940), a five-story grey limestone men's dormitory overlooking the campus, was the memorial gift of the late Mrs. James M. Gifford, widow of a long-time trustee of the College.

**Hepburn Hall** (1916), the gift of A. Barton Hepburn, '71, is a five-story dormitory of grey brick on one of the highest points of the campus. It was

completely renovated and remodeled in 1958–59 as a dormitory for freshman men.

**Hillcrest** (1918) is a three-story white frame building, housing new students who agree to speak French and German under the direction of a resident. The Annex houses offices of members of the Departments of Classics, History, Political Science and other faculty members.

**Hillside Cottage** (1913), on the approach to the Château, houses the College Infirmary, maintained by the College for the care of women students. One of two resident nurses is always in attendance.

**Mead Memorial Chapel** (1916) This colonial white marble structure of the New England meeting house type, the gift of John A. Mead, '64, stands on the highest eminence of the campus, and the light which shines nightly from its spire is a county landmark. Across its façade are chiseled the words "The Strength of the Hills Is His Also." The chancel has accommodations for a vested student choir and contains a large pipe organ. In the tower is a carillon of eleven bells which are played daily by a student from 5:30 to 6:00 while the College is in session. The small Sunderland Memorial Chapel is used for private devotion and special services.

**Munroe Hall** (1941) Many of the departments have their classrooms and offices in Munroe Hall, the gift of the late Charles A. Munroe, '96, a former trustee. The interior is modern while the exterior of grey limestone and marble trim conforms with the general colonial architecture of the older buildings.

**Music Studio** (1925) This brick building of colonial design, the gift of Mrs. Emily Proctor Telfer, houses the studios of the music faculty and rooms for instrumental and vocal practice as well as a larger studio with special listening equipment. The Library contains about 500 scores and 2,500 recordings.

**The Observatory** (1937) has a revolving dome and a mounted machine-driven Newtonian type 12-inch reflecting telescope, which maintains an unobstructed view of the skies.

**Painter Hall** (1815) is the oldest college building in Vermont and a fine example of sturdy New England architecture. It bears the name of a founder and first benefactor of the College. Completely remodelled in 1936, it is a dormitory for freshman men.

**Pearsons Hall** (1911), a marble building of colonial design which commands a view of both the Adirondacks and the Green Mountains, is a dormitory for junior women.

**Porter Hospital** (1925) is a fireproof brick building with a beautiful

view of the Green Mountains, the gift of William H. Porter to the College, for use by the College and the residents of Addison County. In 1960 the building was completely renovated and a substantial wing was added. The Hospital has a 48-bed capacity, modern equipment, graduate nurses always on duty, a resident surgeon, and local physicians on call.

**Recitation Hall** (1917) is a frame building renovated to provide classroom, laboratory, and storage facilities for the departments of Geography and Psychology.

**Redfield Proctor Hall** (1960), named in honor of the late Governor Redfield Proctor, trustee and benefactor of the College, is the Dining Hall—Student Center. It contains student lounges and offices, a bookstore, the College Radio Station, Offices of the Chaplain, Director of Food Service, and other facilities. The fine large dining room, accommodating four hundred students by counter-buffet service, permits the entire freshman class, both men and women, to eat together during their first year in college.

**Starr Hall** (1861) was erected to complete "Old Stone Row"—Painter, Old Chapel, and Starr—and was rebuilt four years later after a fire. It was completely remodeled in 1946 and is a dormitory for freshman men.

**Starr Library** (1900), including also the Abernethy Library and other collections, is described below.

**Stewart Hall** (1956) is a modern dormitory of Vermont limestone containing accommodations for one hundred and fifty-two men in double rooms and an apartment for the faculty resident. Located on the upper campus south of Hepburn Hall, it enjoys attractive views of both the Green Mountains and the Adirondacks. It is named in recognition of the Stewart family's long history of service to Middlebury College.

**Sunderland Language Center,** completed in September 1965, and named in honor of the late Edwin S. S. Sunderland, trustee and benefactor of the College, is the headquarters of the Foreign Language Division and the Summer Language Schools. Its modern audio-visual classrooms, recording and transmission studios, connecting with 63 library-type cubicles equipped with the latest devices for individual language study make this the finest Language Center in the country.

**Warner Science Hall** (1901) houses the lecture rooms, laboratories, and libraries of Biology, Physics, and Geology. It was built through the benefactions of Ezra J. Warner, '61, as a memorial to his father, once a trustee of the College. The Natural History Museum on the upper floors houses a large collection of fossils of Vermont and the Champlain Valley and a complete series of the flowering plants and ferns of the region. A modern greenhouse has been added to the equipment for the courses in botany.

**The Emma Willard House** (acquired in 1959), where Emma Hart

Willard established her Female Seminary in 1814, is occupied by the offices of the Directors of Admissions and of the Teacher Training Program.

**Wright Memorial Theatre** (1958), the drama and speech center, includes a 400-seat auditorium, a drama workshop, rehearsal rooms, debate rooms, classrooms and faculty offices. The building is named to honor Charles Baker Wright, Professor of Rhetoric and English Literature at Middlebury from 1885 to 1920.

## THE EGBERT STARR LIBRARY

It is the aim of the Library to provide for the intellectual needs of students and faculty, to encourage recreational reading, and to stimulate a love of good books.

Built in 1900 of six kinds of Vermont marble with funds bequeathed by Egbert Starr, the Library's capacity was more than doubled in 1928 by the addition of two wings given by his son, Dr. M. Allen Starr. Additional wings and a remodeling of the main building were completed in 1962.

The collection numbers about 165,000 volumes in all fields of knowledge, plus about 95,000 government documents. Especially noteworthy are the large sections in foreign languages: French, German, Italian, Russian and Spanish. The Library regularly receives over 700 newspapers and periodicals. Students have free access to all the main stacks. During the summer, the Library serves the five Summer Language Schools on the campus as well as the School of English and the Writers' Conference at Bread Loaf.

The Abernethy Library is built around the nucleus of rare books bequeathed by Dr. Julian W. Abernethy and comprises one of the best collections of American literature in the country. It contains over 10,000 volumes in first edition and about 1,000 manuscripts, mainly autograph letters of American authors. The room, furnished by Frank D. Abernethy, brother of the donor, serves the double function of treasure room and reading room.

As part of the Abernethy Library, the Robert Frost Room has 300 volumes of Frost's books and books on Frost, most of them autographed. In addition, chiefly through the efforts of Mrs. Corinne Tennyson Davids, the Collection includes about 2,800 items of such Frostiana as pamphlets and periodicals containing the poet's work, book reviews, news items, photographs, college bulletins, sheet music of his poetry, tape and disc recordings, and original manuscripts.

Another collection unique in its field is the Helen Hartness Flanders Collection of over 9,500 New England items, including Child Ballads, ballads and folk songs of British and American origin, religious songs, fiddle-tunes and call-sets which have been recovered through oral transmission. There are about 4,400 mechanical recordings. Its library contains rare books, broadsides, chap-books, manuscripts, books on folklore as well as American and British regional collections and current folk song journals.

Specialized collections of the Library's books are also housed in the Chemistry Building, Warner Science Hall, Carr Hall, the Château, and the Music Studio.

## ATHLETIC FACILITIES

**The World War II Memorial Field House** (1949) is a building 400 feet by 120 feet, located on South Main Street adjacent to Porter Field and the Fred D. Lang Memorial Field. Accommodations in this building provide for large assemblies, dances, an indoor skating rink with artificial ice, regulation and practice basketball courts, a field cage, badminton, tennis, and volley ball courts, offices and other facilities. The headquarters, offices, rifle range and supply rooms of the R.O.T.C. unit are also located here.

Beyond the Field House is the Middlebury College Golf Course, a nine-hole course owned and operated by the College.

**McCullough Gymnasium for Women** (1912) is of marble in colonial style and contains facilities for women's indoor athletic activities, squash and handball, body mechanics, and dance as well as arrangements for indoor archery, golf, and battleboard tennis. Offices, lecture room, lounge, and locker room are included. The campus also has a large playing area for women's outdoor sports, field hockey, lacrosse, softball, and golf practice.

**The Arthur M. Brown Swimming Pool** (1963), meeting N.C.A.A. competition requirements, is for the use of the entire college. It was added to the McCullough Gymnasium through the generosity of Mr. and Mrs. John Kruesi and a bequest of Malcolm T. Anderson, '25.

The Porter Athletic Field of about eighty acres contains a quarter-mile cinder track, a baseball diamond, the football field, and bleachers.

The Fred Davis Lang Memorial Field, situated east of the Memorial Field House, consists of approximately four acres of playing fields available for intramural sports.

Sixteen outdoor tennis courts are located on the campus.

The mountain campus includes the Middlebury College Snow Bowl containing an eight-mile cross-country ski trail, two Poma ski lifts, six slalom and downhill trails and slopes, and two jumps. The 3,185-foot ski lift is the first installed by any college and the 50-meter Gignac Memorial Jump is the largest collegiate jump in the country. The new **Neil Starr Shelter,** which serves as a base building, contains first aid and food service facilities, and a library reading room. Its glass-walled main floor, balcony, and terrace afford a magnificent view of the lifts, slopes, and jumps.

## DEVELOPMENT PROGRAM

The long range Development Program, inaugurated in 1954, seeks the additional funds necessary to provide increased teaching resources and academic facilities required to sustain Middlebury's educational objectives.

Major attention is being given to the need for increased endowment. Gifts and bequests particularly helpful would be directed in support of increased funds for faculty research, for an improved faculty study and research leave program, for visiting lectureships, for library and fine arts acquisitions, and for scholarships.

The endowment of a professorship is one of the finest and most rewarding contributions that can be made to a college. Necessary funds for such an endowment would range from $400,000 to $500,000. The endowed professorships currently established at Middlebury and the dates of their founding are as follows:

The Burr Professorship of Chemistry and Natural History (1829)
The John C. Baldwin Professorship of Mathematics and Natural Philosophy (1866)
The Levi P. Morton Professorship of Latin and French (1886–87)
The Beman Professorship of Mathematics (1893)
The James B. Jermain Professorship of Political Economy (1901)
The A. Barton Hepburn Women's Professorship (1908)
The George Nye and Anne Walker Boardman Professorship of Mental and Moral Science (1908)
The Paige-Wright Professorship of Economics (1913)
The Fletcher D. Proctor Professorship of American History (1918)
The Henry Norman Hudson Professorship of English (1920)
The A. Barton Hepburn Professorship of Economics (1922)
The John G. McCullough Professorship of Chemistry (1924)
The Julian W. Abernethy Professorship of American Literature (1933)
The Albert D. Mead Professorship of Biology (1949)
The George Adams Ellis Professorship of Liberal Arts (1956)
The Jean Thomson Fulton Professorships of Modern Languages and Literature (1963)
The Irene Heinz and John La Porte Given Professorship in Pre-medical Sciences (1966)

The Administration will be happy to discuss any of its future plans with friends of the College. Forms for gifts and bequests for endowment, general, and specific purposes are as follows:

## Forms for Gifts and Bequests

The corporate title of Middlebury College is "The President and Fellows of Middlebury College."

The following forms are suggested:

GENERAL: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . for the uses and purposes of the said Corporation."*

ENDOWMENT: *"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . to be added to the General Endowment of the said Corporation."*

FOR A SPECIFIC PURPOSE:

*"I give (or bequeath) to The President and Fellows of Middlebury College, a corporation of the State of Vermont, located at Middlebury, Vermont, the sum of . . . . . to be known as the . . . . . Fund, the principal to be invested and reinvested in its discretion, and the income therefrom to be used for the purposes of . . . . . If at any time, in the judgment of the Trustees of the said Corporation, the need of income for such purpose no longer exists, the Trustees of the said Corporation shall be, and hereby are, authorized to use the income from the Fund for such purpose as shall in their judgment promote the interests of the College."*

Middlebury College is accredited by the New England Association of Colleges and Secondary Schools, and the Vermont State Department of Education.

# Admissions

MIDDLEBURY COLLEGE admits undergraduates for the Bachelor of Arts degree only. Normally, undergraduates are admitted in September and the entering class is limited by the capacity of dormitories.

Since the number of applications from candidates meeting the minimum requirements far exceeds the number that can be accepted, admission to Middlebury is selective. Academic ability and achievement, community citizenship and leadership, character, and personality are considered very important.

A satisfactory certificate of health must be presented before matriculation. Successful candidates are required to fill out medical blanks which are supplied by the College, and no candidate's admission is confirmed until the preparatory record is complete and the health certificate approved.

## REQUIREMENTS FOR ADMISSION

The selection of candidates is based on information obtained from the following: (1) the candidate's written application, (2) the secondary school record including rank in class, (3) the recommendation of the School, (4) the College Board Examinations.

**Secondary School Preparation.** Candidates must be graduates of approved secondary schools and are normally required to present 16 admission units at least 12 of which are "college certification" grade. A unit represents a year's study of a subject in secondary school, the class meeting four or five times a week.

**Minimum Entrance Requirements:**

| | |
|---|---|
| English | 4 units |
| A foreign language | 2 units |
| History | 1 unit |
| College preparatory mathematics | 3 units |
| Laboratory science | 1 unit |
| | 11 units |
| Other academic subjects | 5 units |
| Total | 16 units |

General Science is not accepted as satisfying the laboratory science requirement. Credit may be allowed for it as an elective if an acceptable laboratory science course is also offered. No entrance credit is allowed for less than two years of a foreign language.

**Advanced Standing.** Students taking college level courses in high school may be considered for advanced standing in one or more courses at Middle-

bury. The candidate must take the appropriate Advanced Placement Test administered by the College Board to be eligible for Advanced Standing with credit.

**College Board Examinations.** All candidates for admission are required to take the Scholastic Aptitude Test of the College Entrance Examination Board and three Achievement Tests, including the one in English Composition. A student unable to obtain the application forms from a secondary school should write directly to the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey 08540, requesting the Bulletin of Information and directions for filing the application. Candidates should take the College Board Tests in December or January of the senior year.

## PROCEDURE FOR ADMISSION

Inquiries regarding admission should be addressed to the Director of Admissions. Application forms will be furnished on request. Application papers must be accompanied by an application fee of $15. This fee is not refundable and will not be applied to term bills. The right is reserved to close the application list to candidates on January 15. All applicants will be notified of the action on their applications by April 20.

A personal interview is a desirable part of the admissions procedure at Middlebury. A visit to the College for this purpose may be made between May of the junior year in secondary school and the middle of the senior year. No interviews are scheduled during March and April.

**Early Decision Plan.** Candidates who definitely plan to attend Middlebury if admitted may request an early decision. However, only candidates with outstanding qualifications should apply for this program, and they must agree to withdraw their other college applications if their application for admission to Middlebury is approved. Requests for Early Decision must be received by Middlebury College before November 30 of the year prior to the year in which admission in the fall is desired. Decisions for early admission will be announced by January 15th of the year in which admission is desired. Successful candidates for Early Decision must forward a non-refundable deposit of $200 to Middlebury College by February 15th in the year in which admission is desired. Unsuccessful candidates for Early Decision will be reconsidered with the regular applicant group unless the candidate notifies Middlebury College that he wishes to be withdrawn from further consideration for admission.

## TRANSFERS

Only a limited number of students can be accepted into the sophomore and junior classes by transfer from other colleges and universities. All such students must come from approved institutions of collegiate rank. Candidates for admission with advanced standing should write to the Director of Admissions for detailed information and application forms.

# Curriculum

MIDDLEBURY COLLEGE confers one undergraduate degree, Bachelor of Arts. It also confers the graduate degrees, Master of Arts, Master of Science, and Doctor of Modern Languages.

## UNDERGRADUATE WORK

The purpose of the liberal arts curriculum is to give every student a detailed knowledge of the work covered in at least one subject, and to correlate it with a broad understanding of the liberal arts and the liberal sciences. To achieve the scholarship which this objective implies, students work intensively in one or more departments and complete requirements and electives in fields outside of their specialization.

The extent of a student's academic work at Middlebury College is reckoned in credits and courses. Most courses meet three hours a week and yield three credits. Some courses, however, require laboratory work in addition to class work and, where specified, carry four credits.

The normal program of study for each student is four or five courses. Freshmen are required to elect five courses in addition to Physical Education. R.O.T.C., if elected, is also in addition to the regular freshman program. No extra charge is made for the one credit per semester of the basic R.O.T.C. course. Upperclassmen normally elect four or five courses and must elect at least thirteen credits per semester unless a lighter program is specifically approved by the Dean and by the Chief Adviser. An upperclassman wishing to carry more than sixteen credits, excluding basic R.O.T.C., must (1) have had an average of 80 or above during the previous semester, or (2) have permission of the Dean and of the Chief Adviser, or (3) be in his senior year. Independent Study in the student's major counts as three credits per semester in the senior year in determining minimum and maximum loads. See alternate senior program, page 35.

## FRESHMAN PROGRAM

Prior to matriculation each freshman is furnished with complete course descriptions and registration cards on which he designates his selection of courses for the first semester. During Freshman Week he meets with his faculty counselor who gives further assistance in planning a course of study.

Every freshman is required to enroll in English Literature (English 12) in addition to Physical Education. To complete his academic program, each freshman elects four other courses from those open to freshmen. These courses may either offer a varied intellectual experience or prepare him, at least in part, for advanced work in a special field of knowledge.

The courses open to freshmen, most of which also serve partially to fulfill degree requirements (see below) include introductory courses in Biology,

Chemistry, Geography, Geology, History, Mathematics, Music, Philosophy, Physics, Political Science, Psychology, Religion, Sociology, and any of the ancient or modern languages. In general, only those courses numbered from 10 through 19 are open to freshmen. Freshmen enrolled in a course within a department, however, may be assigned to a more advanced course by that department upon demonstration of special proficiency. Freshmen who have taken a modern language in high school and have acquired satisfactory preparation may continue the subject in intermediate courses. Freshmen, qualified by previous work and interest in a field, may elect courses above the freshman level on recommendation of the department concerned, the respective Dean and the Director of Admissions, and with the approval of the Chief Adviser. It is advisable that students complete their science requirement during the first or second year.

During the freshman year students consult frequently with their faculty advisers. Freshmen are encouraged to talk with their advisers about any aspect of their academic experience. The adviser will assist in the choice of a field of major concentration which must be made toward the end of the second semester.

### MAJOR CONCENTRATION

In registering for his major program the student normally consults the chairman of his chosen department. The chairman appoints a departmental adviser who recommends a pattern of courses for the student's subsequent years.

Departmental major requirements differ, but they all include courses so chosen from the student's department and other departments that they form an integrated and coherent whole and a logical pattern leading to a deepening intellectual experience. In addition to the specific courses required for a particular major, cognate courses may be recommended to further the student's particular academic interests or intentions.

Each department's major program includes a minimum of 24 course credits and the Independent Study and General Examination Programs. Not more than 42 course credits exclusive of the Independent Study and General Examination requirements may be applied to the 120 credits required for graduation. (See alternate senior program below).

Should a student not be satisfied with his first choice of major he may, before the beginning of his fifth semester, change to another major. Prior to the change, however, he should obtain assurance from the department to which the change is contemplated that he will be able to meet its major requirements. After the beginning of the fifth semester a student may change his major only for exceptional reasons and with the consent of the Chief Adviser. (See the Departmental Program below)

Where a joint major involving two or more departments is desirable a single General Examination will be taken. Details should be worked out with the department chairmen involved and cleared through the Senior Program Committee.

### SENIOR PROGRAM

Each senior enrolls for at least ten credits each semester in regularly scheduled courses, Honors, or other individual research in his major department. In addition he enrolls in Independent Study in his major department during his entire senior year. Independent Study counts as a course in the major in determining his academic load but it carries no credit and no grades are given. (Note exception in Alternate Program below.) It may include individual reading and research in some area of special interest to the student. Independent Study leads to the General Examination, which is usually taken in May. For successful completion of the General Examination six credits are awarded.

### ALTERNATE SENIOR PROGRAM

Under a new program adopted in May, 1965, the work of a senior in his major department may be arranged as follows:

The student will register for Independent Study, the schedule of meetings and work in such course to be entirely at the discretion of the department. This work will be graded and such grade will be weighted at four, six, or eight credits, again at the discretion of the department. In May of his senior year the student also will take a General Examination, the grade to be weighted at eight, six or four credits, respectively, so that the combined total of Independent Study and General Examination shall be twelve credits. In addition, the senior will register for at least nine credit hours per semester.

Departments adopting this program for the 1966–67 year have so indicated in the description of courses. Under this plan the concentration in one's major department may total a maximum of 54 credit hours toward the 120 total. All departments must adopt this Senior Program beginning with the Class of 1969. Earlier adoption is optional.

### THE DEPARTMENTAL PROGRAM

Some departments offer a program of study that measures a student's achievement at two levels:

**The Qualifying Level.** A student must be able to use the methods and language of the discipline, and he must demonstrate a command and a comprehension of a part of the subject matter of the discipline. A student whose development and achievement follow average patterns should be able to qualify in several subjects by the end of his second year.

**The Comprehensive Level.** A student must demonstrate his general comprehension of the discipline after he has done advanced work under the direction of the Department. The average student will be able to complete a Department's major program two years after he has qualified for advanced work in that Department.

A department adopting this Program will so announce to its majors.

## PROGRAM OF DEPARTMENT SCHOLARS

In order to encourage superior students and to free them for more rapid progress and more individual work in a course, the following program of Department Scholars is established:

If a student thinks he can effectively do the work of a course independently of the class meetings, the student may apply to the instructor of the course, at any time before the end of the third week of classes, to be designated a *Department Scholar in the Course* with the following privileges:

I. (a) Be excused from all requirements of attendance in class, except that attendance may be continued if the student desires.
   (b) Be excused from all quizzes and examinations except the final examination.
   (c) Be excused, as the instructor shall determine, from any written work, laboratory work, or deadline for written reports, except that all work from which he is not excused shall be submitted at least one week prior to the end of classes.

II. The following conditions must have been satisfied:
   (a) The student must have completed at least one semester's work in the Department.
   (b) A freshman shall have an average of at least 90 in all work already taken in the department; a sophomore, an average of at least 89; a junior, an average of at least 88; and a senior an average of at least 87.

The application of the student shall include a list of the courses taken in the department, with the Instructors and the grades obtained, and a short statement as to the student's reasons for wishing to be a Department Scholar. If the Instructor and the Department Chairman, after consultation with the other instructors in the department whom the student has had, believe that the student can profitably accomplish the work of the course under these privileges, they shall designate the student a *Department Scholar in the Course.* The course grade shall then be determined on the basis of the required written work submitted during the semester (not in excess of that required of the regular members of the course) and of performance on the final examination. The student shall be informed of the relative weights of these two factors when the designation of Department Scholar is obtained. Moreover, the designation shall be included with the Registrar's record of the grade in the course, and the respective Dean shall be informed when a student becomes a Department Scholar.

## DEGREE REQUIREMENTS

In addition to the freshman and major requirements, certain distribution requirements must be met before the Middlebury College degree is awarded.

1. To be eligible for a degree a student must complete 120 credits of which no more than 48, (See Alternate Program above), including the Gen-

eral Examination, may be in any one subject. Only 24 credits with D grade may be applied to the degree requirements.

2. Freshmen may not elect more than one course in a subject in a semester, Sophomores not more than two, and Juniors and Seniors not more than three. The senior Independent Study Program counts as one course in the major. Seniors may register for Honors in addition to three other courses in their major departments.

3. The last two semesters of undergraduate work must be spent in residence in Middlebury, except as provided in the Technical, Medical, and Dental School Plans.

4. Before graduation every student must meet, in addition to freshman requirements, the following Group Requirements:

GROUP A—Two semester courses of a literary and humanistic rather than a technical character. The courses that meet this requirement are marked with § in the listings of the departments of American Literature; English, Drama and Speech; Fine Arts; Music; Philosophy; Religion; Classics; French; German; Russian; Spanish and Italian.

GROUP B—Two semester courses chosen from the social and behavioral sciences. Any course given by the departments of Economics, History, Political Science, Psychology, or Sociology may be used to fulfill this requirement, as mayGeography 10.1 and 10.2 and Russian History (in English) 25.2.

GROUP C—Two semester laboratory courses chosen from among the natural sciences and in one of the following departments: Biology, Chemistry, Geology, or Physics.

5. All students must demonstrate proficiency in an ancient or modern foreign language before graduation. Three years of effective language study in secondary school, or two years in college, normally give the required proficiency. This requirement may be met in any one of the following ways:

(a) by a satisfactory score on the College Board Achievement Test, at the third-year secondary school level;

(b) by passing, preferably in the freshman year, a proficiency test prepared by the Middlebury Language Departments, and covering either a speaking or a reading knowledge, at the option of the student;

(c) by passing an intermediate, second-college-year course (designated by †) or a more advanced course in a language previously studied;

(d) by passing a minimum of twelve semester hours in a language, the study of which is started at Middlebury.

6. All students are required to complete four semesters of Physical Education.

## SCHOLARSHIP

When a student enters Middlebury College, he becomes a member of an academic community that makes its demands and measures its achievements not so much in terms of time as in terms of the task accomplished. Though he is required to register for a certain number of units each semester, his

commitment to his own education will undoubtedly involve many more hours a week in reading, in laboratory work, and in preparation for his classes than he will spend attending classes.

Scholarship is graded on the scale of 100. Grades are interpreted as follows:

A 90 to 100 Excellent
B 80 to 89 Good
C 70 to 79 Fair
D 60 to 69 Passing
F Below 60 Failure

Students who have completed 24 credits successfully are ranked as sophomores; 54 credits, as juniors; 84 credits, as seniors.

## SPECIAL PROGRAMS

**Combined Professional School Plans.** Students normally spend four years at Middlebury before going on to graduate school or to professional schools. However, a student preparing for engineering, architecture, medicine, or dentistry who wishes to limit his education at Middlebury to three years may, under the conditions specified below, transfer at the end of his junior year at Middlebury to an accredited professional school which requires a minimum of two more years of study for engineering, two or three years for architecture, and four years for medicine or dentistry. He may, upon receipt of the professional degree, become eligible, by vote of the Middlebury faculty, for a Middlebury A.B.

For pre-engineering students Middlebury has formal agreements with Columbia University School of Engineering, the Duke University School of Engineering, and the University of Rochester which ensure admission to these schools on a combined five-year course of study. Students wishing to take advantage of these agreements must fulfill the requirements stated below and in addition secure the recommendation of the Pre-Professional Committee.

Students who participate in one of the combined professional school plans and so become eligible for the Middlebury A.B. are required to meet all the conditions stated in (1) and in (2a) or (2b) or (2c) below.

(1) Ninety credits must be completed at Middlebury, in at least 72 of which a grade of 70 must be earned; a combined average of 75 or better must be achieved in the specified courses (exclusive of the electives) in (2a) or (2b) or (2c) below; the freshman, foreign language, and Group A, B, and C requirements must be completed; and the student must rank in the upper half of his class during his fifth and sixth semesters.

(2a) Pre-engineering prescribed courses:
1st year: Chemistry 11.1 and a second semester of Chemistry; Mathematics 12.1, 12.2.
2nd year: Economics 21.1, 21.2; Mathematics 21.1, 21.2; Physics 15.1, 15.2.

3rd year: Mathematics 34.1; Physics 31.2, 32.1; 27.2, 37.2; elective from Group A or Group B above the 11–19 course level.

(2b) Pre-architecture prescribed courses:
1st year: Chemistry 11.1; Mathematics 12.1, 12.2
2nd year: Economics 21.1, 21.2; Mathematics 21.1, 21.2; Physics 15.1, 15.2.
3rd year: Mathematics 34.1; Physics 31.2, 32.1, 27.2, 37.2; elective from Fine Arts.

(2c) Pre-medical and pre-dentistry prescribed courses:
1st year: Biology 11.1, 11.2; Chemistry 11.1, 19.1.
2nd year: Biology 21.1, 24.2, or 37.2; Chemistry 13.1, 23.2; Mathematics 12.1, 12.2.
3rd year: Chemistry 17.1, 36.1; Physics 15.1, 15.2; elective in Economics, History, or Psychology.

A freshman who desires to participate in one of these plans should notify his adviser of his intentions and arrange his program accordingly. At the end of the freshman year the student reports to the chairman of the Pre-Professional Committee, or the chairman of the Pre-medical and Pre-dental Committee, who assigns him a faculty adviser.

**Environmental Studies.** Middlebury College has inaugurated an interdisciplinary major in Environmental Studies, with Fields of Emphasis in Ecology, Earth Science, and Human Ecology. Middlebury's locale affords a unique opportunity for field work in these areas, and the Environmental Studies major is designed to take full advantage of this opportunity. The major is intended for the student who comes to Middlebury College with a firm background in science and an interest in such interdisciplinary careers as terrestrial or marine ecology, oceanography, earth science, physiography, and human ecology.

The curriculum is carefully constructed from the College's offerings. Depending on his Field of Emphasis, the student essentially fulfills the departmental requirements for a major in Biology (Ecology), Geology (Earth Science), or Geography (Human Ecology). Moreover, all students majoring in Environmental Studies take a common core of courses in Biology, Geology, Geography, Mathematics, Physics, and Chemistry. The Ecology and the Earth Science programs include particular additional courses in the natural sciences, whereas the Human Ecology program includes particular additional courses in the social sciences. The depth in his Field of Emphasis, and the breadth in the core courses, give the student a foundation and perspective in environment that is appropriate to the liberal arts tradition. Also, the breadth releases the Independent Study and General Examination from the confines of a departmental major, permitting instead the study of a topic that has interdisciplinary aspects, and permitting occasional interdisciplinary seminars.

Students interested in this program should consult with the staff of one

of the participating departments (Biology, Geology, or Geography). The program should be started in the Freshman year, in order to fulfill prerequisites for further study. Students who enter Middlebury College with advanced standing in language or sciences will have additional elective space beyond that given in each of the programs below:

Ecology program:

1st year: English 12; language; Mathematics 12; Geography 10; Biology 11.

2nd year: Language; Geography 25.1; Chemistry 11.1; Geology 11.1; Biology 22; Elective.

3rd year: Biology 36.1, Geology 34.2; Physics 15; Chemistry 13.1, 23.2; Biology 20.1.

4th year: Biology 44; Geology 23.1, elective; Group A; Independent Study and General Examination.

Earth Science program:

1st year: English 12; language; Mathematics 12; Geography 10; Geology 11.

2nd year: Language; Geography 25; Chemistry 11.1; Biology 11; Geology 21.1, 22.2.

3rd year: Biology 36.1; Geology 34.2; Physics 15; Geology 23.1, 24.2; Geology 33.1, elective.

4th year: Chemistry 36.1, Chemistry elective; Group A; Elective; Independent Study and General Examination.

Human Ecology program:

1st year: English 12; language; Mathematics 12; Geography 10; Geology 11.

2nd year: Language; Geography 25; Biology 11; Sociology 12; Chemistry 11.1.

3rd year: Biology 36.1; Geology 34.2; Physics 15.1; History 32; Economics 21; Geography 38.1, 40.2; Geography elective.

4th year: Group A; Geography 40.1, Electives (2); Independent Study and General Examination.

**Junior Year Abroad.** In these days of increasing cultural exchanges the College permits certain well-qualified students to spend the junior year studying abroad. Students applying for permission to study abroad are judged on two principles: the extent to which they will profit from such study and the impression they will create abroad as representatives of Middlebury College. Ordinarily such students are expected to participate in one of the established foreign study programs. Students in these plans receive credit from Middlebury after submitting proper credentials.

Students may also make individual arrangements for study abroad and may be granted a year's leave of absence from the College. No guarantee of credit is made in advance, and it is the responsibility of the student to present evidence that the work done abroad has been similar in kind and quality to that expected of him at Middlebury.

Students interested in a Junior Year Abroad program should discuss their plans early with their faculty adviser and the Dean.

**Critical Languages Cooperative Program.** Princeton University has recently established a Cooperative Undergraduate Program for Critical Languages and has invited Middlebury College to participate. The essence of the Program is that a student spends his junior year at Princeton, having acquired at least an elementary knowledge of the language he wishes to study. If the language is not available at Middlebury, he takes an intensive course at an approved summer school before going to Princeton. After the year at Princeton a student may take a second summer of language training before he returns to Middlebury for his senior year and the A.B. degree. Participation is competitive. The languages available are Arabic, Chinese, Japanese, Persian, Russian and Turkish supplemented by relevant area studies in the humanities and social sciences.

**Teacher Training.** Middlebury has always prepared teachers for the public and private schools. A special program of guidance for prospective teachers has been organized to help them develop those qualities, personal as well as scholarly and professional, which are most to be desired in effective teachers. Middlebury is one of a group of liberal arts colleges which cooperate with programs at Harvard, Yale, Wesleyan, and other institutions in giving prospective teachers at the secondary and elementary levels a fifth year of study leading to the degree of Master of Arts in Teaching or Master of Education.

**Art and Music Transfer Students.** A limited number of graduates or advanced students of Art and Music Schools may be admitted to Middlebury by transfer, upon the recommendation of the Fine Arts or Music Departments. As candidates for the A.B. degree they are expected to fulfill all degree requirements either by transfer of credits or by courses taken at Middlebury. Not more than 48 hours of the required 120 may be in the major field. The General Examination may be waived on recommendation of the Department.

**R.O.T.C.** The Department of Military Science conducts courses in military subjects in accordance with the Army General Military Science curriculum. The objective of the Military Department is to prepare all Advanced Course R.O.T.C. students for a commission in the Regular Army or the Army Reserve. See pages 119 to 121 for complete description.

## ACADEMIC HONORS

The College recognizes superior academic achievement in the following ways:

**Dean's List.** Students who attain an average of 85 or better in their courses at the end of a semester, and who have no grade below 80 are placed on the Dean's List for the following semester. For students on the Dean's

List attendance at classes is at their discretion as long as the quality of their work is maintained.

**Phi Beta Kappa.** The Middlebury Chapter of Phi Beta Kappa Society is the Beta of Vermont, established in 1868. Students are elected to Phi Beta Kappa by the faculty members of the chapter on the basis of outstanding academic achievement in all fields of their endeavor. Special consideration is given to the attainment of Honors or High Honors in the major department. Students are eligible for election at the beginning of their senior year on the basis of six terms work at Middlebury, or at the end of their senior year on the basis of eight terms work at Middlebury. Students graduating from Middlebury who have transferred from other colleges may be elected on the basis of at least four terms at Middlebury.

**Departmental Honors Program.** Departmental Honors are awarded upon graduation in recognition of superior performance in the student's major field. See pages 138–139 for description of this program.

**Commencement Honors.** Commencement honors are awarded for high scholastic rank. The degree of A.B. is conferred *cum laude* upon those who have attained an average rank for their entire work at Middlebury of 85 to 88.99; *magna cum laude* if that rank is 89 to 90.99; *summa cum laude* if it is 91 or above.

**Honorary Appointments.** The faculty makes honorary Commencement appointments: to the senior attaining highest rank, the appointment of Valedictorian; to the second in rank, the appointment of Salutatorian.

Transfer students are not eligible for these appointments.

**Prizes, Scholarships, Fellowships.** A number of awards providing honorary or financial recognition of academic achievement have been established. Some of these awards are granted during the student's undergraduate career. Others provide assistance for graduate work. A complete listing of these awards is found on pages 128–136.

## GRADUATE WORK

During the academic year, Middlebury College provides graduate courses in the Biology, Chemistry and French departments for a limited number of students desiring to work toward a Master's degree. Graduate students may be enrolled only if admitted by the Graduate Work Committee. Correspondence should be directed to the head of the department. The courses which are regularly offered for graduate credit are:

Biology: All courses numbered 34.1 or above,

Chemistry: All courses numbered 42.1 or above,

French: All courses numbered 32.1 or above.

Some courses in other departments may, under certain conditions, be raised to graduate level.

The degrees of Master of Arts and Master of Science may be earned by

graduate work completed during the regular college year, or in the Summer Language Schools, in accordance with the following regulations:

1. The candidate must have a baccalaureate degree from Middlebury College, or from another institution whose course of study and requirements for graduation are approved by the Graduate Work Committee.

2. To obtain the degree of Master of Arts, or Master of Science, two full terms in residence and the completion of work equivalent to thirty credits are necessary. This requirement of residence may also be met by attendance at the Summer Language Schools. Two-thirds of the required work must be completed at Middlebury College.

3. Candidates must satisfy the department chairman and the Graduate Work Committee of their fitness to undertake the proposed program of graduate study.

4. Graduate work done in other institutions may be transferred toward the Middlebury degree under certain specific limitations which may be learned from the Committee.

5. Two-thirds of the required work must consist of graduate courses in the department of the major; the remaining one-third may consist of cognate courses of graduate grade prescribed by the department in which the major work is undertaken. A minimum grade of 80 shall be maintained in each course counting toward the degree.

Effective with students beginning graduate work in the summer of 1957, graduate credits earned at Middlebury College toward a Master's degree expire and may no longer be counted toward the Master's degree after ten years have elapsed since the study was done.

6. Tuition fees are the same as those charged for undergraduate work. An additional fee of $15 is required for the diploma.

7. Special regulations and requirements concerning the Summer Language Schools of Chinese, English, French, German, Italian, Russian, and Spanish may be learned from special bulletins which will be sent on request.

## THE DEGREE OF DOCTOR OF MODERN LANGUAGES

In addition to the Master's degree, Middlebury College offers, through the Language Schools, the advanced degree of Doctor of Modern Languages (D.M.L.). A detailed statement of the requirements for this degree will be sent on request.

## THE GRADUATE SCHOOLS ABROAD

Middlebury College conducts Graduate Schools of French in France, of German in Germany, of Italian in Italy, and of Spanish in Spain.

The students spend the academic year on a coordinated program of advanced instruction in linguistics, phonetics, literature, history, the arts and social institutions. These courses are followed in the Faculties or other

divisions and institutes, or in specially arranged graduate study, in Paris, Mainz, Florence, and Madrid. The students work under the close guidance and supervision of a resident representative of Middlebury College. At the close of the year, final examinations are administered under his direction, and the successful candidates receive the Middlebury Master of Arts degree, in addition to any foreign certificates or diplomas which they may earn.

A preliminary summer of preparation at the Middlebury Summer School is normally required, and only those who prove themselves qualified are allowed to enroll. Members of the group make their own arrangements for transportation, board and room, with the advice and guidance of the Middlebury Director. The Director facilitates worthwhile social contacts and assists their plans for travel, visits to museums, and attendance at theatres and concerts. A special bulletin will be sent on request.

# Courses

THE DEPARTMENTS OF INSTRUCTION are organized in five Divisions: Humanities, Foreign Languages, Social Sciences, Natural Sciences, Military Science; they are described in this catalogue in the following order:

**Division of the Humanities**
- American Literature
- English, Drama, and Speech
- Fine Arts
- Music
- Philosophy
- Religion

**Division of the Foreign Languages**
- Classics
- French
- German
- Russian
- Spanish and Italian

**Division of the Social Sciences**
- Economics
- History
- Political Science
- Psychology
- Sociology
- Teacher Training

**Division of the Natural Sciences**
- Biology
- Chemistry
- Geography and Geology
- Mathematics
- Physical Education
- Physics

**Division of Military Science**

EXPLANATION OF NUMBERS AND SYMBOLS

All courses except Honors (70) courses are given as semester courses, with a final examination at the end of the semester. First-semester courses are usually designated by .1 after the number; second-semester courses by .2. The figures .1 and .2 after the same number for two courses indicate that those two courses are complementary and together form an instructional program. The first course may or may not be prerequisite to the second and it may or may not be required to take both courses. Each semester course carries three credits or semester hours, unless specially indicated otherwise. Courses numbered 70 (Honors) are treated as a unit for the year and give a tentative or "in-progress" grade at mid-years.

Unless otherwise indicated, courses meet three times a week on alternate days. Courses numbered 10–19 are usually taken by freshmen; 20–29, by sophomores; 30–39, by juniors; 40–49, by seniors. Schedules are cleared on this basis and conflicts will thus be most easily avoided by taking courses in proper sequence.

At the head of each departmental section, the major is described and the requirements for a major in that department are stated, together with recommended courses.

Prerequisites to a course are shown in parentheses. Courses not being offered in 1966–67 are bracketed. Abbreviations include: Lab., laboratory period; Lect., lecture period; E.D.S., English, Drama, Speech. Courses marked § satisfy Group A requirement (Page 37). Courses marked † satisfy the foreign language requirement (Page 37).

The College reserves the right, without further notice, to cancel any courses herein described, or to make any other changes in staff, fees, and courses which may be deemed necessary.

# Division of the Humanities

Professor Paul M. Cubeta, Chairman


AMERICAN LITERATURE
ENGLISH, DRAMA AND SPEECH
FINE ARTS
MUSIC
PHILOSOPHY
RELIGION


## AMERICAN LITERATURE

Professors: R. L. Cook (*chairman*), H. M. Munford; Associate Professor: H. P. Beck

The aim of the program in the department of American Literature leading to a major is two-fold: (1) to study the culture of the American people as reflected in their most important writings; and (2) to examine the structure and evaluate the meaning of these writings in the context of the varying social and intellectual backgrounds. The program, which introduces students to key works, authors, and periods of literature at the undergraduate level of awareness, is designed to lead to the graduate level of experience.

Every student must satisfy a minimum requirement of thirty hours in the major. This requirement must include the basic Survey course, the American Novel, four term courses in the department, Independent Study, the General Examination; History 36.1, 36.2, or History 22.1, 22.2; and two period courses in English literature beyond the Freshman English course.

The Independent Study program is conducted by a background reading list and group meetings.

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Required for the Major: 21.1, 21.2, 31.1, 31.2; four other semester courses, Independent Study and General Examination, History 36.1, 36.2 or History 22.1, 22.2; and two period courses in English literature.

**21.1 American Literature Survey§** Fall

A study in the growth of American literature from the seventeenth century through the first half of the nineteenth century, as emerging from its socio-economic backgrounds, and the critical significance of its major writers: Edwards, Franklin, Cooper, Irving, Poe, Hawthorne, Emerson, Thoreau, and others. Staff

**21.2 American Literature Survey§** Spring

A study of the major writers from the second half of the nineteenth century to the present, with emphasis on particular works and their relevance to the more important traditions in American literary history. (Am. Lit. 21.1) Staff

**31.1 The American Novel§** Fall

The development of the American novel; the meaning and structure of the novels of the nineteenth century, focussing on particular novels of Cooper, Hawthorne, Melville, Twain, Howells, James, Crane, Norris, and Dreiser. (Am. Lit. 21.1 and 21.2 and permission) Mr. Cook

**31.2 The American Novel§** Spring

An analysis of thematic and structural aspects in representative American novels of the twentieth century with concentration on Cather, Lewis, Dos

Passos, Fitzgerald, Hemingway, Faulkner, Wolfe, Cozzens, Warren, Ellison, and Bellow. (Am. Lit. 21.1, 21.2, 31.1 and permission) Mr. Cook

**41.1 The American Short Story§** Fall
A study of the development of short prose fiction in America from Washington Irving to the present time. The history of the short story form, techniques, and changing point of view will be considered with special regard to such writers as Hawthorne, Melville, James, Crane, Fitzgerald, Hemingway, and others. (Am. Lit. 21.1 and 21.2 and permission) Mr. Beck

**41.2 Emerson, Melville, and Whitman§** Spring
A study in depth of selected works of three major American writers of the nineteenth century, emphasizing their relationship in the context of the time, and their reaction to nature, society, culture, religion, and science. (Am. Lit. 21.1 and 21.2 and permission.) Mr. Cook

**42.2 Contemporary American Poetry§** Spring
A study of the forms, styles, and theories of twentieth century American poetry, and the explication and evaluation of the poems of Robinson, Frost, Pound, Eliot, Crane, Williams, Stevens, Cummings, Marianne Moore, Robert Lowell, Roethke, and others, including the Imagists and the Fugitives. (Am. Lit. 21.1 and 21.2 and permission) Mr. Munford

**44.1 American Biography§** Fall
A study of the growth of the American mind in the context of social and intellectual backgrounds, exemplified in the Puritan biographies and in the autobiographies of Lyman Beecher, Peter Cartwright, U.S. Grant, Henry Adams, Lincoln Steffens, and in the biographies of Lee, Lincoln, Henry Ford, and others. (Am. Lit. 21.1 and 21.2 and permission) Mr. Munford

**45.1 Seminar in Hemingway and Faulkner§** Fall
A seminar in the selected writings of Hemingway and Faulkner (Am. Lit. 31.1, 31.2, Juniors and Seniors, and permission) Mr. Cook

**46.2 Folk Ballads§** Spring
A study of the development of the ballad and related folksongs in America from their European antecedents. Special emphasis will be placed upon the dispersion of ballads, variants, occupational songs, and the relationship of the whole to American literature and literary concepts. (Am. Lit. 21.1 and 21.2 and permission) Mr. Beck

**50.1 and 50.2 Special Research** Fall and Spring
Open to qualified students. (Permission) Staff

## ENGLISH, DRAMA AND SPEECH

Professors: H. B. Prickitt (*chairman*), E. T. Volkert, P. M. Cubeta; Associate Professors: J. H. Clagett, D. J. Littlefield; Assistant Professors: **G. W. Bahlke, R. R. Carr, R.

**On leave Spring, 1967

W. Hill, *E. A. Martin, D. C. Mell, R. Pack, C. A. Potter, P. S. Woods; Instructor: F. C. Cabot; Visiting Lecturer: D. Newman

Mr. Nuovo, Mr. Sparks

Because of the varied nature of the Department's offerings, courses are designated in the following manner:

| | | | |
|---|---|---|---|
| L | Literature | TA | Theatre Arts |
| DL | Dramatic Literature | S | Speech |

In registration the symbol EDS is used to designate all courses offered by the Department. For example, the first semester of the required freshman course would be designated: EDS L12.1.

The Department offers majors in English Literature and in Drama. Departmental reading lists are provided in each area as a basis for Independent Study and the General Examination.

Required for a Major in English are (1) Interpretation of Literature: an Analytic and Generic Approach (L 12) or Advanced Placement; (2) Interpretation of Literature: an Historical Approach (L 20) or the Qualifying Examination (students may qualify for the English Major either through their standing in L 20 or through the Qualifying Examination); (3) the Senior Program; (4) four other semester courses in literature. Recommended also are courses in Fine Arts, History, Music, Philosophy, and Foreign Languages. Sophomores are encouraged to elect, in addition to L 20, either American Literature Survey (AL 21), or English Novel (L 24), or Drama Survey (DL 21), or Classics of Literature (L 33). Juniors are encouraged to elect courses from among the following: Shakespeare (DL 30), Modern Drama (DL 31), Nineteenth-Century Literature (L 22), Eighteenth-Century Literature (L 32), Contemporary Poetry (L 45.2), and a seminar. In addition to the required Senior Program, Seniors are encouraged to elect Renaissance Literature (L 31), Honors (L 70) if qualified, and one or two seminars. Seminar offerings vary from year to year. Juniors and Seniors may undertake Special Reading and Research Projects (L 50, DL 50, or W 50). Only courses designated L or DL count toward the maximum of 48 credits permitted in the major.

The Qualifying Examination will test the student's ability to interpret literature critically and will examine his grasp and comprehension of a literary subject in an historical context. The subject of the Qualifying Examination in 1966–67 will be the Pastoral Tradition. The Qualifying Examination will be offered twice: once during the regular examination period at the end of the second semester, when it will incorporate the final examination in L 20, and again in September before College begins. Any student, with the Department's permission, may take the Qualifying Examination whether he has been enrolled in L 20 or not; a student who does not qualify during the second-semester examination period may take the Qualifying Examination again in September, although his grade in L 20.2 will not be affected.

The Senior Program (for students in the class of 1968 and subsequent classes) consists of the writing of a thesis or completion of a project and the General Examination for a total of twelve credits. Each Senior is assigned to a faculty member for guidance in his thesis or project and in his preparation for the General Examination.

The Major in Drama is based on the year-sequence Introduction to Theatre Arts (TA 20) and twelve hours from among the following courses in dramatic literature: Drama to 1870 (DL 21); Shakespeare (DL 30); and Modern Drama (DL 31). These courses provide both an introduction to theatre arts, historical and modern, and a knowledge of the literary heritage of the theatre today. Well-qualified freshmen will be admitted to Introduction to Theatre Arts (TA 20). Further requirements are determined by a student's choice of emphasis: literature and playwriting; acting and directing; or design and pro-

*On leave Fall, 1966

duction. Either Intermediate Acting and Directing (TA 35.1 and 35.2) or Intermediate Production (TA 36.1 and 36.2) is required and is normally elected junior year.

Playwriting (W 38), a Seminar in Special Studies (TA 40.1), and Advanced Special Studies (T 50) are courses that may be elected for advanced work in the several areas. Independent Study and the General Examination complete the major. The Independent Study program provides an opportunity for exploration of new areas, intensive study in previous considered areas, and review. Twelve three-hour discussion sessions are scheduled during the academic year for considering particular problems in depth.

## Literature

**L 12.1 Interpretation of Literature: An Analytic and Generic Approach** Fall

Close critical reading of the lyric, short story, romance, and drama, primarily in English, with extensive collateral work in related classics in translation. Frequent, short critical papers. (Required of freshmen and a prerequisite for other courses offered by the Department in Literature) STAFF

**L 12.2 Interpretation of Literature: An Analytic and Generic Approach** Spring

Critical study of the literary conventions, themes, and techniques of the epic, satire, and novel in English and classical literature. Frequent short, critical papers. (Required of freshmen and a prerequisite for other courses offered by the Department in Literature) STAFF

**L 20.1 Interpretation of Literature: An Historical Approach§** Fall
**1966-67: The Pastoral Tradition**

A course that examines the expression in literature of man's changing views of his place in the natural world by considering the pastoral tradition from its origins in Classical and Biblical literatures to its native sources in English and its development in English literature through the seventeenth century. Writings by Virgil, Horace, Spenser, Sidney, Shakespeare, Jonson, Herrick, Marvell, Milton, and others will be considered. Mr. CUBETA and STAFF

**L 20.2 Interpretation of Literature: An Historical Approach§** Spring
**Continuation of 20.1**

The Pastoral Tradition from the eighteenth century to the present. Views of nature in writings by Pope, Blake, Wordsworth, Keats, Arnold, Hardy, Hopkins, Eliot, Thomas, and others, and sources of the modern pastoral tradition in American literature will be examined. (20.1 or permission)
Mr. MARTIN and STAFF

**DL 21.1 Classical Drama§** Fall

The origins of Western drama in Greece, and the development of the tragic and comic forms by Aeschylus, Sophocles, Euripides, and Aristophanes; the Roman comedies of Plautus and Terence, and Seneca's tragedies; and the influence of the classical tradition and native elements upon medieval drama. Mr. WOODS

**DL 21.2 The Origins of Modern Drama§** Spring

English, French, German, Italian, and Spanish drama between the 16th and

19th centuries (to 1870). The continuance of the classical tradition will be studied, as well as native influences and early examples of naturalism, expressionism, realism, and the "open" (anti-form) drama. Mr. Woods

**L 22.1 Prose and Poetry of the Romantic Period§** Fall
A study of the major writers of the Romantic Movement, especially Blake, Wordsworth, Coleridge, Byron, Shelley, and Keats, in an attempt to define the writers' characteristic concerns and their problems in expressing those concerns. Some attention will be paid to the traditions with which the Romantics were breaking, and to the forerunners of the movement. (Sophomores by permission.) Mr. Hill

**L 22.2 Prose and Poetry of the Victorian Period§** Spring
Reading in Tennyson, Browning, Arnold, and Swinburne. The purpose of the course will be to discover in these four major figures some of the main literary movements in the entire century. Other writers will receive some attention: in poetry, Hopkins, Hardy, and early Yeats; in prose, Carlyle, Mill, Arnold, Pater, Darwin, and Huxley; in the novel, Dickens and Joyce. (L 22.1, or permission on the basis of a knowledge of certain of the Romantic poets.) Mr. Hill

**L 24.1 The English Novel§** Fall
A study of the novel from Fielding to Hardy with particular emphasis on the novel of the nineteenth century. Authors read include Fielding, Jane Austen, Dickens, Thackeray, Emily Brontë, George Eliot, and Hardy. Limited to 50 students. Mr. Prickitt

**L 24.2 The English Novel§** Spring
A study of the novel in Great Britain from E. M. Forster's *Howards End* through Muriel Spark's *Memento Mori*. Among the figures to be considered will be Conrad, Joyce, Lawrence, Huxley, and Virginia Woolf. Limited to 50 students. (L 24.1 or permission.) Mr. Newman

**DL 30.1A Shakespeare§** Fall
Representative early tragedies, comedies, histories, and problem plays will be examined in preparation for an intensive study of *Hamlet*. (Juniors and seniors.) Mr. Cubeta

**DL 30.2A Shakespeare§** Spring
An intensive critical study of *Othello*, *Macbeth*, *King Lear*, *Antony and Cleopatra*, *Coriolanus*, *The Winter's Tale*, and *The Tempest*. (Juniors and seniors. Permission.) Mr. Cubeta

**DL 30.1B Shakespeare§** Fall
A seminar in the comedies, histories, and problem plays, intended primarily for literature majors. (Juniors and seniors. Permission.) Mr. Cubeta

**DL 30.2B Shakespeare§** Spring
A seminar in Shakespearean tragedy. (DL30.1B) Mr. Cubeta

**DL 31.1 European Drama Since 1870§** Fall
A study of representative plays of the late 19th and 20th century writers. Beginning with Ibsen and the early realists and concluding with recent innovators such as Beckett, Ionesco, and Genet. Limited to 30 students.
Mr. VOLKERT

**DL 31.2 Modern British and American Drama§** Spring
A study of the important contributors to British and American drama of today. Attention to historical backgrounds, particularly in relation to modern American drama, but emphasis on the development beginning in the 20's with Eugene O'Neill. Limited to 50 students. Mr. VOLKERT

**L 31.1 Poetry and Prose of Tudor England§** Fall
English literature from 1485 to 1603. The course discusses the development of English Humanism from its continental origins and, within this framework, examines the major non-dramatic genres of the period. The poetry of Sidney, Shakespeare, and Spenser receives special emphasis. Juniors and seniors. Sophomores by permission. Limited to 30 students.

**L 31.2 Poetry and Prose of the Age of Milton§** Spring
English literature from 1603 through Milton. A close examination of the poetry of Ben Jonson and John Donne and of their successors, especially Herrick, Carew, Herbert, and Marvell. The prose of Bacon and Browne also receives attention. The course culminates with the works of John Milton. (L 31.1 or permission). Limited to 50 students.

**L 32.1 Poetry and Prose of the English Augustan Age§** Fall
A critical investigation of the artistic achievement of major writers from 1660 to 1745, conducted primarily in terms of their evaluation of the political, ecclesiastical, social, moral, intellectual, and aesthetic activities of the times. Major figures studied are Dryden, Addison and Steele, Swift, Pope, and Gay. Juniors and seniors. Limited to 30 students. Mr. MELL

**L 32.2 Prose and Poetry of the Age of Johnson§** Spring
A study of the major writers of the second half of the eighteenth century as they reflect the changing and conflicting social, political, moral, intellectual, and aesthetic attitudes of the period. The major figures studied are Johnson, Boswell, Gray, Goldsmith, Sterne, Burke, and Burns. (L 32.1 or permission)
Mr. MELL

**L 33.1 Classics of Literature§** FALL
Great writings of the ancient world in translation: the Homeric epic; selected dramas of Aeschylus, Sophocles, Euripides and Aristophanes; selected dialogues of Plato; Virgil's *Aeneid*, Ovid's *Metamorphoses*, and selections from other Roman literature. Literary study of the forms, conventions and traditions, and the artistry of classical Greek and Roman literature. Open to sophomores. Mr. LITTLEFIELD

**L 33.2 Classics of Literature§** Spring
Great writings of the Christian era in translation: the *Epistles* of St. Paul,

the *Gospels* of St. Matthew and St. John, the *Book of Revelation*, Dante's *Divine Comedy*, selected *Essays* of Montaigne, Cervantes' *Don Quixote*, Goethe's *Faust*, and a twentieth-century work. Literary study of the forms, conventions and traditions, and the artistry of Western literature. Mr. LITTLEFIELD

**[L 34.1 Comparative Fiction: Shorter Works of Modern Fiction]** Fall
A seminar devoted to the analysis of a single work each week. An attempt will be made to define the particular dilemma of modern man, his guilts, his images of death, his illusions, his visions of society, and how he arms himself against despair. The readings will include short stories and novellas selected from Continental, English, and American writers. The student also will be responsible for the readings of Religion 35.1, and, periodically, the two seminars will meet jointly. Permission.

**L 34.2 Comparative Fiction§** Spring
Through critical interpretation of European and American novels and novellas the course tries to arrive at a definition of what is "modern" in modern prose fiction. Readings will include works by Fielding, Goethe, Jean Paul, Kleist, Gogol, Dostoevsky, Mann, Joyce, and Kafka. No knowledge of foreign language is presupposed. Two lectures and one discussion period.
Mr. SPARKS

**L 43.1 Literary Criticism§** Fall
A selection of 19th and 20th century poems which dramatize the nostalgia of childhood and a vision of paradise will be studied from various points of view; aesthetic, theological, and psychoanalytic. These viewpoints will be themselves examined in essays on the nature of art from such writers as: Plato, Wordsworth, Kierkegaard, Nietzsche, Freud, Buber, Brooks, Farrer, Hulme, Heidegger, Richards, and Trilling. The seminar will be given jointly by Mr. Nuovo and Mr. Pack. Credit will be given by either the English or Religion Department. Identical with Religion 36.1. Permission.
Mr. NUOVO, Mr. PACK

**L 45.2 Contemporary Poetry§** Spring
The style, the thought, and the development in the poetry of Hopkins, Yeats, and Thomas are studied in detail. The student is expected to read most of their poetic works. Representative poems by Hardy, Housman, Lawrence, Eliot, Auden, Larkin, Hughes, and Silkin also receive careful analysis.
Juniors and Seniors and permission. Mr. PACK

**[L 48.1 Literature in the Middle Ages§]** Fall
A seminar in representative works of medieval English and European literatures considered generically, with reference to later developments in English and American literature. Each year the focus will be on one or two of the major genres. Translations will be used where necessary.
To be given 1967–68. Juniors and seniors. Permission.

**L 48.2 Chaucer** Spring
A seminar in *The Canterbury Tales* and *The Parliament of Fowls*. Juniors and seniors. Permission. Mr. MARTIN

**L 49.1A Seminar: Advanced Studies in Literature§** Fall
A seminar in which the major novels and short stories of James Joyce and D. H. Lawrence are analysed to show how these writers explored modern man's irrationality. Emphasis is placed on their search for a language, narrative style, and imagery capable of embodying the contradictions of consciousness. Supplementary readings in philosophy, psychoanalytic thought, and religion. Mr. NEWMAN

**L 49.1B Contemporary Poetry§** Fall
A seminar devoted to a discussion of selected poems, plays, songs, and other forms drawn from the poetry of Yeats, Eliot, Auden, and Thomas. Juniors and seniors. Permission. Mr. BAHLKE

**L 49.2A Seminar: Advanced Studies in Literature§** Spring
A group of students interested in exploring a particular body of material may organize a syllabus through conference with a faculty member. With the approval of the faculty member and the department, a seminar may then be established under the guidance of the faculty member. STAFF

## Writing

**W 38.1 Advanced Imaginative Writing: Prose** Fall
A seminar course in advanced writing, in which students are encouraged to undertake writing projects, with advice and editorial assistance from the instructor, in order to discover where their talents may lie and to broaden their sense of technique and style. The course is designed for students interested primarily in prose, though some poetry will be welcomed. The student may choose to write short stories, novelettes, novels, plays or nonfiction, and the project may be continued through the fall and spring terms. Limited to twelve students. Permission. Mr. CLAGETT

**W 38.2 Advanced Imaginative Writing: Prose** Spring
Students who have performed creditably during the first term may continue their projects during the second. New members may be admitted by special recommendation of their advisors. Mr. CLAGETT

**W 39.1 Advanced Imaginative Writing: Poetry** Fall
A seminar course in advanced writing, in which students are encouraged to undertake writing projects, with advice and editorial assistance from the instructor, in order to discover where their talents may lie and to broaden their sense of technique and style. The course is designed for students primarily in poetry, though all forms of writing and experimentation will be welcomed. The class will meet once a week to discuss samples of contemporary writing and each other's work. The student will also work in conference with the instructor. Limited to twelve students. Permission.
Mr. PACK

**W 39.2 Advanced Imaginative Writing: Poetry** Spring
Students who have performed creditably during the first term may con-

tinue their projects during the second. New members may be admitted by special recommendation of their advisors. Mr. Pack

## Drama

**TA 20.1 Introduction to Theatre Arts: Acting and Directing §** Fall
A study of historical and modern approaches to the problems of the actor and the director as interpreters of the written play. Selected plays are analyzed and used as source material for demonstration and experimentation. Open to qualified freshmen. Mr. Volkert

**TA 20.2 Introduction to Theatre Arts: Form and Style in Contemporary Staging §** Spring
A study of the basic principles and functions of the visual elements (stage, scenery, costume, and lighting) of the modern theatre. Form and style are studied, both in historical perspective and in contemporary usage, as means of interpreting the play. Open to qualified freshmen. Mr. Potter

**DL 21.1 Survey of the Literature of the Theatre** (See description p. 49) Fall

**DL 21.2 Survey of the Literature of the Theatre** (See description p. 49) Spring

**DL 30.1A Shakespeare** (See description p. 50) Fall

**DL 30.2A Shakespeare** (See description p. 50) Spring

**DL 30.1B Shakespeare** (See description p. 50) Fall

**DL 30.2B Shakespeare** (See description p. 50) Spring

**DL 31.1 European Drama Since 1870** (See description p. 51) Fall

**DL 31.2 Modern British and American Drama** (See description p. 51) Spring

**TA 35.1 Intermediate Directing** Fall
Theory and practice of directing in relation to types of drama and in relation to proscenium and arena stages and their variations. Analysis of selected modern plays and experimentation with scenes on the stage. (TA 20.1 or examination) Mr. Volkert

**TA 35.2 Intermediate Acting** Spring
A close study of modern approaches to development of characterization for the stage. Analysis of selected modern play scripts for meaning and actor motivation. Experimentation with pantomime and improvisation. (TA 20.1 or examination.) Mr. Volkert

**TA 36.1 Intermediate Production: Stage and Scenery** Fall
The theory and practice of modern stagecraft: analysis, design, and execution

of scenic elements of the production. Two hours of class, one workshop per week. (TA 20.2 or examination.) Mr. POTTER

**TA 36.2 Intermediate Production: Light and Costume** Spring
The theory and practice of modern stagecraft: analysis, design, and execution of lighting and costume elements of the production. Two hours of class, one workshop per week. (TA 20.2 or examination.) Mr. POTTER

**W 38.1 Advanced Imaginative Writing** (See description p. 53) Fall

**W 38.2 Advanced Imaginative Writing** (See description p. 53) Spring

**TA 40.1 Seminar: Special Studies** Fall
Study of advanced problems either in directing and acting; or in design, lighting, and theatre planning (architectural) through projects and group critiques. (TA 35 or TA 36.) Mr. VOLKERT, Mr. POTTER

**TA 50.1 and 50.2 Advanced Special Studies in Drama and Theatre** Fall and Spring

## Speech

**S 21.1 Fundamentals of Speech** Fall
A study of the production and control of the mechanics of speech necessary for speaking before an audience. Exercises for flexibility, range, relief from tension, and articulation. Platform experience. Attention to individual problems. Equipment fee $3. Limited to 20 students per section. (Permission) Mr. CARR

**[S 21.2 Public Speaking]**

**S 26.1 Debate and Discussion** Spring
A practical course in the composition and delivery of convincing speeches based on an analysis of current controversial topics. Emphasis is placed on the testing of evidence and cross-examination principles as used in a court of law. Platform experience. Principles of group discussion are considered. (S 21.1 and .2 or permission) Mr. CARR

**[S 27.2 Oral Interpretation of Literature]**

## FINE ARTS

Professor: A. K. D. HEALY (*chairman*); Associate Professor: R. F. REIFF; Instructor: R. B. MUIRHEAD; Lecturer: P. H. WALTON

The program of courses offered by the Fine Arts Department is in its scope, both in the offerings related to this field and in its recommended courses, consonant with all the much debated aims of education. Middlebury College is not an Art School and reasonably its philosophy precludes specialization in professional fields, although in our time this is susceptible to change. Its attitude is that it can be of the greatest service in graduating young people who in a neighborly world will fit themselves to better understand the heritage of the past and the developments that are current.

On the other hand, students who major in the field of Fine Arts may by taking concentrated courses, or those in the fields of general education, develop an appetite for careers in this area of the humanities either as artists, architects or art historians. This latter extension of their programs is best developed in graduate schools. It has been our experience that the role of our Department in the general framework of Middlebury education may best be served this way. Furthermore this limitation seems by experience to be a welcome one to graduate schools.

The Department at this time offers for sophomores two introductory survey courses in Western and Eastern Art. In art history courses the student experiences art as an expression of man's vision and thought from the Neolithic times to the present. It also offers several further investigations of different periods of a more precise nature, as well as a few courses to stimulate a spirit of creativity in students interested in this field. These latter courses are generally open to students who take courses in the history of art as a method of experiencing the thinking and performance of the artist in our society. In studio courses the student heightens his sensibilities by engaging in a creative act and thus begins to comprehend the power of the visual arts as a means of communication.

Students desiring to major in this field must present adequate proof of their sincere interest, aptitude, and desire to study with zeal. Acceptance of majors will not imply any guarantee of success in this field, inasmuch as students will positively or negatively, at this stage of their academic career, defeat judgments regarding them.

Opportunities are afforded to have the students work independently, but this is generally done in all courses with the aid of consultation, suggestion, and guidance. The general examination in the senior year is so designed as to test the interest and application of our majors.

Generally the interest of all students in this field is encouraged, whether majors or not, as a valuable complement to their general education. Students desiring permission to take advanced courses without satisfying requirements must present to the instructor concerned a statement of the reason for their doing so, as well as a listing of their qualifications to undertake the work. After a conference with the instructor, the Chairman of the Department may certify the student as being admissible to such courses.

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Required for a Major in Fine Arts: Fine Arts 25.1, 25.2, 21.1, 21.2, 24.2, 35.1, 36.1, 38.1, 39.1, 40.2; Independent Study, and the General Examination.

Recommended: Fine Arts Practice Course 22.1, 21.2, 23.1, 23.2, 26.2; also Music 13.1, 13.2, EDS S21.1, S21.2, Phil. 23.1, 23.2; Hist. 45.1, 45.2.

For those who plan to do graduate work in Art History, the taking of French, German, and Italian courses is recommended. For those interested in laying a foundation for graduate work in Architecture, the taking of Physics 11.1 and 11.2 is recommended.

For the admission of graduates of Art Schools, by transfer into advanced standing, see page 41.

**[11.2 Introduction to the Fine Arts]** Spring

An introduction to the forms, structure and techniques of architecture, painting and sculpture and an application of these to selected examples. Methods of study in historical content, composition, materials, techniques, iconography, the use of research material, as well as many other areas will be stressed. Not open to juniors or seniors and given primarily for students desiring to major in this field.

**21.1 Introduction to Design§** Fall

Line, color, form, subject matter and composition are studied separately and together in projects related to picture making so as to increase the students' comprehension of the picture as an expressive, visual language. Fee

$10.00. Limited to 30 students. (F.A. 21.2 must be passed before credit for F.A. 21.1 will be given.) Mr. MUIRHEAD

**21.2 Introduction to Design§** Spring
Design in the arts with special emphasis of sculptural and architectural problems. (F. A. 21.1) Fee $10.00. Limited to 30 students. Mr. MUIRHEAD

**22.1 Drawing** Fall
Study of the elements of drawing, including anatomy, linear perspective, and drapery. Instruction and practice in drawing from models by means of lectures and individual criticism. Division of teaching time approximately one lecture hour to two in practice. Fee $5.00 (F.A. 25.1, 25.2)
Mr. WALTON

[**22.2 Drawing**] (Same Prerequisites) Spring

**23.1 Oil Painting** Fall
Instruction and practice in studio painting by means of lectures and individual criticism. Fee $5.00 (F.A. 21.1, 21.2, 22.1, 25.1, 25.2)
Mr. MUIRHEAD

**23.2 Oil Painting** (Same Prerequisites) Spring
Mr. MUIRHEAD

**24.2 Far Eastern Art§** Fall
An historical survey of the development of the sculpture, painting, and architecture of India, China, and Japan. Also considered are aesthetic theories, iconography, philosophy, and religion as they relate to art. (May be open to qualified freshmen. See p. 34) Mr. REIFF

**25.1 History and Theory of Western Art§** Fall
History of the development of painting, sculpture and architecture, from prehistoric time to the Renaissance. A study of art history by means of reading, slides, reproductions, traveling exhibits and lectures. (May be open to qualified freshmen. See p. 34) Fee $5.00. The course will be taught in three one hour lectures or two one-hour lectures and a discussion hour. Mr. HEALY

**25.2 History and Theory of Western Art§** Spring
History of the development of painting, sculpture and architecture from the High Renaissance through today. (May be open to qualified freshmen. See p. 34) Fee $5.00 (F.A. 25.1, or permission) The course will be taught in three one hour lectures or two one and one-half hour lectures. Mr. HEALY

[**26.1 Water Color Painting**] Fall
Instruction and practice in water color painting, with emphasis upon design. Fee $5.00 (F.A. 21.1, 21.2, 22.1, 25.1 and 25.2.) Limited to 20 students. Not to be offered in 1966–67.

**26.2 Water Color Painting** (Same prerequisites) Spring
Mr. HEALY

[**35.1 Italian Renaissance Art**§] Fall
A study of the history, successive stylistic developments, aesthetic theories and iconography of the painting and sculpture from the period of the late Byzantine masters and Giotto to about 1530. Emphasis is given to the art of Masaccio, Pieyo della Francesca, Leonardo and Michelangelo. (F.A. 25.1, 25.2). Offered in alternate years; not to be given in 1966–67.

**36.1 Genesis and History of American Art**§ Fall
History of the development of painting, sculpture and architecture from the Jacobean era in England to America today. A study of American art by means of reading, slides, study of reproductions, travelling exhibits and lectures. Fee $5.00. (F.A. 25.1, 25.2). Mr. HEALY

[**37.1 Art of the Middle Ages**§]
An exploratory examination of the architecture, sculpture, mosaics and stained glass, together with pertinent manuscripts from the Early Christian Era to 1400. The course will be divided in alternate years 400 to 1,000 A.D.–1,000 to 1400 A.D., but may not be taken twice. Open only to majors and selected students. Taught by individual conferences and guided study as well as by means of fortnightly seminars on general background. Suggested requirements History 12.1 and Religion. Not to be offered in 1966–67.

**38.1 Northern European Painting**§ Fall
This course is a survey of the art and civilization of Flanders, Germany, Northern France, and Holland for a period of 250 years beginning with 1400 and late Gothic manuscript painting. Special attention is given to the Van-Eycks, Hugo van der Goes, Durer, Brueghel, Rubens, and Rembrandt. Offered in alternate years; to be given in 1966–67. Mr. REIFF

**39.1 Modern Architecture**§ Spring
A study of the most important phases of contemporary architecture in Europe and America, and a selective survey of developments in architecture since 1750, by means of lectures, slides, reading and exhibitions. (F.A. 25.1, 25.2). Mr. REIFF

**40.1 Art of the Nineteenth Century**§ Fall
A stylistic analysis of European painting and sculpture and a study of its development from the Rococo period through Impressionism. The art of such artists as Watteau, Goya, David, Delacroix, Friedrich, Constable, Courbet, Manet, the Pre-Raphaelites, the French Academicians, the Macchiaioli, as well as such sculptors as Rodin, Rude, Medardo, Rosso, and many others will be considered (F.A. 25.1, 25.2) Mr. REIFF

**40.2 Modern Art**§ Spring
A study of the Post-Impressionists, Gauguin, Seurat, Cezanne and Van Gogh, is followed by lectures on such movements in art as Art Nouveau, the Nabis, abstract painting, surrealism and expressionism. The course will conclude with a consideration of Abstract Expressionism, "Pop" and "Op" Art. (F.A. 25.1, 25.2, 40.1) Mr. REIFF

**50.1 and 50.2 Advanced Studies in the Fine Arts** STAFF

**60.1 and 60.2 Senior Seminars** STAFF

## MUSIC

Professor: A. CARTER (*chairman*): Assistant Professor: J. G. CHAPMAN; Instructor: G. B. TODD

Students wishing to major in music must demonstrate acceptable proficiency in some instrument or voice and must participate, before graduation, in the presentation of some works studied. The course of study for a major in music covers two broad areas: 1) theory, or the language of music; 2) history, the development of the language and its place in the general history of western civilization; 3) study of an instrument or voice to be correlated with (1) and (2). The following courses are required:

1) Two year courses and one semester course in Theory (Music 25, 35, 45.1).
2) One one-year course of a broad historical nature (Music 12 or 13).
3) Two one-year courses devoted to a specific historical period or style (Music 37, 38, 42, 46, or 48).

Independent Study consists of a one-hour seminar per week and private consultation whenever desired. The purposes are to familiarize the student with a general history of music and to allow him to specialize on a certain period or person. The material is chosen according to the need of each student.

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**12.1 History and Performance of Western Choral Literature§** Fall
Study and performance of sacred and secular choral music from Gregorian chant to the middle Baroque period. Basic theory, voice production and sight-singing. Audition required. Two hours lecture, three hours lab. Music 12.1 and 12.2 are required of students who wish to participate in the college choir. Fee $7. Mr. CHAPMAN

**12.2 History and Performance of Western Choral Literature§** Spring
Study and performance of sacred and secular choral music from the late Baroque to Modern period. Students who complete this course may, with permission, elect the lab. only, in later years, for 1 point credit. There is no extra tuition for this credit. (Music 12.1) Fee $7. Mr. CHAPMAN

**13.1 Music Survey§** Fall
A study of music history and literature from Gregorian Chant through Beethoven with emphasis on required listening of twenty representative works from J. S. Bach through Beethoven. Listeners' equipment includes basic theory, and the understanding of the various forms of each period as applied to the work studied. Fee $7. Mr. CARTER

**13.2 Music Survey§** Spring
A study of music history and literature from Schubert through twentieth century composers and techniques with emphasis on required listening of twenty representative works from Schubert through William Schuman. Fee $7. Mr. CARTER

**25.1 Music Theory I** Fall
Definition of the elements of musical gesture and study of the problems of

aural perception. Course includes principles of analysis and critical readings of literature about music, all which lead to the study of notation and melody construction. Extensive written exercises and aural drill. Fee $7. Open to qualified freshmen. Mr. Todd

**25.2 Music Theory II** Spring
Extension of 25.1 Work includes critical listening and elementary analysis with written exercises in harmony up through the use of accessory tones simultaneous with exercises in counterpoint. Fee $7. Mr. Todd

**35.1 Music Theory III** Fall
Continuation of 25.1–2; expansion of the musical vocabulary with continued aural and written exercises using works in the literature to define principles and provide models. Fee $7. Mr. Todd

**35.2 Music Theory IV** Spring
Seventh chords, modulations, chromatic alterations plus continued contrapuntal studies and written analysis. Course involves extensive listening and score reading. Fee $7. (Prerequisite: 25.1–2) Mr. Todd

**37.1 Opera§** Fall
A history of the lyric theatre and its literature from Gluck through Verdi presented through a study of recorded works and occasional trips to hear performances. (Music 12 or 13 or by permission, juniors and seniors) Fee $7. Mr. Carter

**37.2 Opera§** Spring
A history of the lyric theatre and its literature from Puccini through Berg presented through a study of recorded works and occasional trips to hear performances. (Music 12 or 13 or 37.1 or by permission, juniors and seniors) Fee $7. Mr. Carter

**38.1 Johann Sebastian Bach§** Fall
A study of the late Renaissance developments that lead to the emergence of Baroque styles; and analysis of these styles to the time of J. S. Bach. (Music 12 or 13) Fee $7. Mr. Chapman

**38.2 Johann Sebastian Bach§** Spring
The culmination of Baroque styles as seen in the works of J. S. Bach and his contemporaries. Analysis of representative instrumental and vocal works of Bach. (Music 38.1) Fee $7. Mr. Chapman

**[42.1 Haydn§]**
Study of the music of the Classic era as exemplified by Haydn. (Music 12 or 13) Fee $7. By permission, juniors & seniors.

**42.2 Mozart§** Fall
Study of the music of the Classic era as exemplified by Mozart. (Music 12 or 13) Fee $7. By permission, juniors & seniors. Mr. Todd

**45.1 Music Theory V** Fall
Analysis and written exercises using the full chromatic vocabulary and finally contemporary idioms and procedures. Fee $7. Mr. TODD

**45.2 Composition** Spring
Seminar in original composition. Fee $7. (Prerequisite: 35.1–2) Mr. TODD

**46.1 Modern Period§** Fall
A study of musical literature of the late 19th and 20th centuries from the Post Romantic and Impressionistic composers through Bartok, using recorded works and scores and occasional trips to hear performances. (Music 12 or 13. Juniors and seniors by permission) Fee $7. Mr. CARTER

**46.2 Modern Period§** Spring
A study of musical literature of the 20th century of the American and European continents, using recorded works and scores and occasional trips to hear performances. (Music 13, 46.1. Juniors and seniors by permission) Fee $7. Mr. CARTER

[**48.1 Music of the Middle Ages and the Renaissance§**]
A study of the music literature in eastern civilization from the beginning of the Christian era to ca. 1450. Comparative analysis of style and form; discussion of elementary modal theory. (Music 12 or 13) Fee $7.

[**48.2 Music of the Middle Ages and the Renaissance§**]
A study of western music from ca. 1450 to 1600. Specific works of Ockeghem, Josquin, Willaert, Lassus, etc., are used as focal points for the development of style. (Music 48.1) Fee $7.

**50.1 Research and Special Work** Fall

## Practical Music

The aim of this Department is to present music for its value as literature and as a record of one aspect of human achievement, not as professional training. We strongly encourage students to improve performing techniques as a necessary means of cultivating the art. The College will assist the student as far as possible in securing adequate instruction when not provided by the regular staff.

One academic credit per semester for a maximum of four semesters will be granted to qualified students for applied music. The following requirements determine eligibility:

1) The student must be a freshman or a sophomore, or, very exceptionally a junior, enrolled in Music 25 or 35.
2) He must audition and be given the consent of the department to start his program.
3) He must, under the guidance of one member of the department, outline a program of specific goals to be accomplished during the semester.
4) He must take at least one hour of instruction per week and practice six hours per week and demonstrate an improvement in proficiency concomitant with that expenditure of time.

The unit would be graded and the grade would be averaged into his Music 25 or 35 grade.

The single credit would not count as a course.

The successful completion of at least two credits of applied music would be mandatory

for music majors graduating with the class of 1970 and thereafter unless they have otherwise demonstrated acceptable proficiency in some instrument or in voice.

The student would be assessed the same fee he presently pays for private instruction, i.e., the credit is not a tuition credit.

Students who wish private instruction in piano, organ, harpsichord, voice, violin, viola, violoncello should enroll with the Chairman of the Department.

Fees are to be paid to the Treasurer's office at the beginning of each semester. No rebate is allowed for lessons missed except in the case of continued illness. Students may be accepted for less than a full semester, in which case fees will be prorated.

**M-1 Private Instruction in the Study of the Pianoforte**
1 lesson weekly, use of piano 1 hour daily. Fee $105 per semester.

**M-2 Private Instruction in the Study of Voice**
1 lesson weekly. Fee $90 per semester.

**M-3 Private Instruction in Organ**
1 lesson weekly; use of organ 1 hour daily. Fee $105 per semester.

**M-4 Private Instruction in Violin and Viola**
1 lesson weekly. Fee $90 per semester.

**M-5 Private Instruction in Harpsichord**
1 lesson weekly, use of harpsichord 1 hour daily. Fee $105 per semester.

**Music Library**
The department equipment includes several thousand records, scores, and a cross reference file of the records. The collection kept in the Music Studio is available for both class work and student audition at hours set by the head of the department. Special listening equipment is available.

**Music Organizations**
The College Chamber Orchestra is open to all students who play an orchestral instrument and who qualify after auditions. The group holds weekly rehearsals and prepares concerts. Advanced instrumentalists who can qualify may have the opportunity of playing with the Vermont State Symphony Orchestra. Mr. CARTER

The College Choir sings in Sunday Vespers and special concerts on and off campus. Music 12 is required of all choir members. In conjunction with this course, a very active College Madrigal Group has been formed. In keeping with the educational intent of the choral program, repertoire for all performing groups is as historically inclusive and demanding as possible. Performance in languages other than English is stressed. Mr. CHAPMAN

Playing in small ensembles is encouraged. Those interested should see Mr. CARTER. The Choir and Orchestra work together on oratorios from time to time. Works given in recent years include: Mozart, Brahms, Faure Requiems, Handel Messiah, and Bach Mass in B minor, St. Matthew Passion and Magnificat, Berlioz L'Enfance du Christ, Haydn Masses, Heilig and Lord Nelson, Schubert G Major Mass.

## PHILOSOPHY

Professor: J. T. Andrews (*chairman*), J. J. Ziegler (Visiting); Associate Professors: L. C. Bigelow, G. D. O'Brien.

The basic course for the Major Program in Philosophy is Philosophy 23.1 and 23.2, which is a survey of dominant philosophical ideas and their development in the western world, from the time of the early Greeks to the 20th Century. This course should be taken in the sophomore year. Other course requirements for the major are: Philosophy 22.1 (Introduction to Logic), Philosophy 32.1 (Ethics), Philosophy 38.1 and 38.2 (20th Century Philosophy), and Independent Study. To complete the Major in Philosophy a total of thirty hours (including Independent Study) is required as a minimum. Students may find it to their advantage to elect from three to six hours above the minimum in order to be better prepared for their general examinations.

The General Examination is both written and oral. The written examination consists of two parts. The first part is historical and it is required of all students. Moreover, each student must be specially prepared to deal with two important philosophers, one from the ancient period and one from the modern. In the ancient period the choice is between Plato and Aristotle. In the modern period the choice is from: Descartes, Locke, Hume, and Kant. Students make their choices individually. The second part of the examination is systematic. Each student may choose any two of the following topics: Metaphysics and Theory of Knowledge, Ethics, Logic.

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Required for the Major: 22.1, 23.1, 23.2, 32.1, 38.1, 38.2; Independent Study.

**11.1 Introduction to Philosophy** § Fall
A general systematic introduction to problems in metaphysics and theory of knowledge, dealing with such questions as the nature of reality, knowledge and meaning. Selected readings from the philosophical literature. The course meets in two lecture periods and one discussion section each week. Staff

**11.2 Introduction to Philosophy** § Spring
An introduction to the problems of ethics, dealing with such basic notions as "good," "right," "obligation," "responsibility," and "validity of moral judgments." Also some time is spent on questions in political philosophy. Selected readings from the moral and political philosophers. Staff

**22.1 Logic** Fall
Introduction to the principles of valid inference, deductive and inductive. Topics dealt with are: logical functions of language, definition, syllogistic reasoning, truth-functional arguments, and the elements of scientific method.
Mr. Andrews

**22.2 History of Science** § Spring
An examination of some philosophic issues raised by the history of Physics, particularly space, time and motion. Consideration will be given to the works of Aristotle, Eudoxus, Ptolemy, Copernicus, Tycho, Brahe, Kepler, Galileo, Newton and Einstein. Attention will be paid to changing conceptions of the subject matter, method and principles of natural science. Mr. Ziegler

**23.1 History of Western Philosophy (Ancient)** § Fall
Main themes of philosophic thought from the beginning through the Hellenistic period. Concentration on principal figures and on critical discussion of the ideas involved, with an eye to their relevance to modern questions.

Authors read: Plato, Aristotle, Lucretius. (Two lectures, one discussion section per week) Mr. Bigelow, Mr. Ziegler

**23.2 History of Western Philosophy (Modern)§** Spring
Development of philosophic thought from the medieval period to the 20th century. Principal emphasis on theory of knowledge and metaphysics and their connections with developments in science. Among the authors read: Bacon, Descartes, Locke, Berkeley, Hume, Kant, James. (Two lectures, one discussion section per week) Mr. Bigelow, Mr. Ziegler

**27.1 Philosophy of Religion§** Fall
A critical analysis of the philosophical problems created by the religious condition; the criteria of religion; the nature of religious language, symbol and myth; the problem of religious knowledge and the metaphysical implications of the religious thought, such as the existence of God, the nature of man and the meaning of life. Mr. O'Brien

**29.2 Symbolic Logic** Spring
A course designed to introduce the student to the field of symbolic logic. The course will deal with the following topics: Truth Functions, Quantification Theory and Deductive Method, Relations, Descriptions and Classes. (Phil. 22.1 or permission) Mr. Andrews

**32.1 Ethics§** Fall
First: a study of a few representative types of normative ethical theory at a level more advanced than that of Phil. 11. Principal problems: criteria of right action; the nature of the good. Second: meta-ethics, a 20th century development of analytic philosophy. Principal problems: the meaning of ethical terms, such as, "good" and "right"; the justification of normative judgments; the objectivity of value. Two meetings per week, combined lecture and discussion. (One semester of Philosophy or permission)
Mr. Bigelow

**33.2 Esthetics§** Spring
A study of the philosophical problems raised by the nature and functions of art: the esthetic experience and the creative process; the work of art and the esthetic value; the appreciation of art and the problem of criticism; the relation of art to society. (One semester of Philosophy or permission)
Mr. O'Brien

**36.2 Philosophy of Science§** Spring
Principles which underlie the experimental method, the nature of hypotheses and scientific explanation, criteria by which empirical hypotheses are evaluated, scientific laws, causation, the uniformity of nature. Concrete illustrations from the sciences. Mr. Andrews

**37.1 Kant and the Nineteenth Century§** Fall
An intensive study of Kant's philosophical contributions and their significance for the subsequent developments in the nineteenth century such as the rise of Classical German Idealism (Hegel or Schopenhauer) and the exist-

entialist revolt (Kierkegaard or Nietzsche). (Phil. 11.1 or Phil. 23.2 or permission) Mr. Ziegler

**38.1 20th Century Philosophy§** Fall
The development of western philosophical thought in roughly the first thirty years of the present century: the reaction against Absolute Idealism, the rise of Pragmatism and Positivism. Works of some of the systematic thinkers will be studied, such as James, Dewey, Russell and Whitehead. Specific readings in this course will vary somewhat from year to year. (Prerequisite: at least two semester courses in Philosophy or permission) Mr. Andrews

**38.2 20th Century Philosophy§** Spring
Recent philosophical developments in western thought, coming down to the present time: analytic philosophy, the philosophy of language, existentialism. Specific writings which are selected for study will be varied somewhat from year to year. (Phil. 38.1 or permission) Mr. Bigelow

**50.1 and .2 Special Research** Fall and Spring
Staff

## RELIGION

Associate Professor: C. P. Scott (*Chairman*); Assistant Professor: V. L. Nuovo; Lecturer: E. A. Daley

Mr. Pack

In the conviction that a liberally educated person will wish to understand the place of religion in the cultural history of mankind, the College offers its students a number of elective courses designed to present the subject matter within the context and purposes of the Humanities.

The Major program in Religion is so arranged that the student becomes aware of the subject matter as it is related to culture in the broadest sense. To foster this objective a person will elect to complete his major work in one of two programs: Philosophy of Religion or History of Religions.

Requirements for these programs are as follows: *Philosophy of Religion:* 11.1, 11.2; Philosophy 27.1; two one-semester seminars (Religion 36); four departmental or approved one-semester courses; a demonstrable knowledge of the history of philosophy; Independent Study and Comprehensive Examination (8 credits). *History of Religions:* 11.1, 11.2; History 39; two one-semester seminars (Religion 36); four departmental or approved one-semester courses; Independent Study and Comprehensive Examination (8 credits).

All majors in Religion must demonstrate a knowledge of Biblical Literature.

Courses in other departments numbered 20 and above will be credited toward a religion major on approval by the department of Religion and the consent of the instructor of the course in question.

**11.1 Introduction to the Study of Religion§** Fall
An introduction to the concepts and methods employed in the critical investigation and interpretation of religion. Application to selected materials from the history of religion: primitive and folk religion; the dynamics and structure of the so-called great religious traditions and their relation to popular religious life. (Not open to juniors and seniors except by permission) Mr. Nuovo

**11.2 Introduction to Religious Thought§** Spring
Critical reading of selected authors, classic and comtemporary, eastern and western, e.g. Plato, Plotinus, Maimonides, Al-Ghazali, Shankara, Spinoza, William James, Tagore, Tillich. An attempt will be made to interpret religious thought in its socio-cultural setting, to determine the forms of religious speculation, and the structure and meaning of religious thought. (Not open to juniors and seniors except by permission) Mr. Nuovo

**21.1 The Old Testament§** Fall
The history, literature, and faith of the Hebrew people from the Patriarchal age to the Maccabean revolt. Attention will be given to the methods of historico-literary criticism and the contribution of archaeology to biblical history and interpretation. Mr. Scott

**21.2 The New Testament§** Spring
A study of the documents of the New Testament, their message, and the history of Christian beginnings which they disclose. Emphasis will be given to the Jewish and Graeco-Roman influences in the emergence of the Christian tradition. Mr. Scott

**31.1 Principles of the Christian Faith§** Fall
A systematic introduction to the major elements of the Christian faith, including a discussion of such topics as: revelation and reason; the Hebrew-Christian concept of the existence and nature of God; the relation of God and the world; the nature, responsibility, and destiny of man; the person and work of Jesus Christ; the nature and function of the church.
Mr. Daley

**31.2 Christianity and Modern Society§** Spring
The application of Christian ethical principles to the tensions and problems of the present day in the following areas: sex and family life; the political order; the economic order; the challenge of Communism; race relations. Problems of both the individual and the community will be discussed.
Mr. Daley

**33.1 A study of the great traditions of Judaism, Christianity, and Islam.§** Fall
An attempt will be made to view them against the ancient near eastern background, in the light of the hellenistic influence on all, and in terms of their repeated interaction. Mr. Nuovo

**33.2 Hinduism and Buddhism§** Spring
A study of the development of religion in India from Vedic beginnings to the present. Lectures will focus on the problem of continuity and change in Hindu and Buddhist traditions. Attention will also be given to the spread of Buddhism outside India, to the interaction of Islam and Hinduism in India, and to contemporary problems facing both religions. Mr. Nuovo

**36.1 Seminar: Poetry and Religious Thought§** Fall
A selection of 19th and 20th century poems which dramatize the nostalgia

for childhood and a vision of paradise will be studied from various points of view: aesthetic, theological, psychoanalytic. These viewpoints will themselves be examined in essays on the nature of art from such writers as: Plato, Wordsworth, Kierkegaard, Nietzsche, Freud, Buber, Brooks, Farrer, Hulme, Heidegger, Richards and Trilling. (Identical with EDS L 43.1. Credit will be awarded by either the English or the Religion Department.) Permission. Mr. Nuovo, Mr. Pack

**36.2 Seminar: Indian Religious Thought§** Spring
Analysis and discussion of Indian religious texts. Selections from the Upanishads, epic literature, Puranas, and from the writings of Shankara, Ramanuja, Sri Aurobindo, Radhakrishnan, etc. Permission. Mr. Nuovo

**50.1 and 50.2** Fall and Spring
Independent study for advanced students. Staff

Note also: Philosophy 27.1, Philosophy of Religion.

# Division of the Foreign Languages

Professor Samuel Guarnaccia, Chairman

CLASSICS
FRENCH
GERMAN
RUSSIAN
SPANISH AND ITALIAN

The Division Center in the new Language Center contains the offices of the several departments, the Language Aural-Oral Laboratory, classrooms, and listening rooms equipped with tape recorders and playbacks, and libraries of recordings for practice in hearing and speaking the foreign language. Students are urged, and in some courses required, to use these facilities to supplement their classwork.

## Special Area Studies

### A. French Language, Culture, and Area Studies Administered by the French Department

Required for a Major: French 21.1, 21.2, 32.1, 32.2, 46.1, 46.2, 47.1; Independent Study, and General Examination (different from those for regular French Majors); also: Geography 10.1, 10.2; Geography 35.2; one year course from the following: History 34.1, 34.2; or Poli. Sci. 20.1, 20.2; also: one year course from the following: Economics 21.1, 21.2; or Poli. Sci. 22.1, 22.2; or Sociology 12.1., 12.2. Cognate courses in the Humanities and the Social Sciences will be recommended.

### B. Spanish Language, Culture, and Area Studies Administered by the Spanish Department

Required for a Major: Spanish 31, 40, 43, 44, 45, and 50; Geography 35.1, History 45, American Literature 21 or History 36; Economics 21; Political Science 20; Sociology 23. Cognate courses in Geography, Political Science, History, and the humanities are recommended.

## CLASSICS

Professor: J. I. Armstrong; Associate Professor: W. Harris (*Chairman*); Assistant Professor: Miss U. M. Heibges

The principal aims of courses in the Classics are to enable the student to attain a rapid and accurate reading knowledge of Greek or Latin, and then to read broadly while developing critical skill and a sense of the art of language. Greek and Latin literatures are understood to be an embodiment of deep spiritual and artistic concern, and the major literary achievements are studied in this light.

The four basic approaches to a Degree in Latin or Classics are:

1) Latin 10, 21, 31, 41, Independent Study, History 13, and the passing of the General Examination.
2) For students entering with higher qualifications: Latin 21, 31, 41, 50, History 13 and the passing of the General Examination. (Reductions of some parts of these requirements may be considered in the case of students doing a joint program with another language, Classics and English or Classics and Philosophy.)

The courses listed above constitute the basic major program which confers the degree of A.B. in Latin.

3) Upon completion of Greek 15 and Greek 24, the student enters the fuller Classical

Curriculum and is a candidate for the A.B. in Classics. Greek is necessary for an understanding of the fused Greco-Roman civilization, and the student is advised to begin Greek as early as possible, certainly not later than the sophomore year. This program would lead naturally to advanced study of any of the European literatures or to Comparative Literature. Requirements: 2) above and Gr. 15, 25, and 32.

4) For the student planning later professional work in the Classics it is important to begin Greek in the freshman year in order to allow time for advanced work in the junior and senior years. Serious study of French and German should be started as these are basic, required ancillary disciplines for graduate study in the Classics. Most universities now require at least one of these languages on entrance to the graduate program. A student engaged in this full program may be exempted from History 13 in favor of work outside the immediate area of study.

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## Classics in Translation

**[25.1 Greek Intellectual History §]**
**[25.2 Greek Tragedy §]**

## Latin

**10.1 Introduction to Latin** Fall

This course presupposes no previous knowledge of Latin, but those with a weak background may enter with the instructor's permission. An inductive method is used and the synthetic concept of grammar is elicited from careful reading of texts of literary worth, rather than presented paradigmatically at the outset. A great part of the work is oral and tapes for the study of frequency-graded vocabulary are used. By the end of the first term the student should be able to read a text of intermediate difficulty with aid of the dictionary, and should be able to begin Augustan literature. Mr. HARRIS

**10.2 Vergil and Livy** Spring

During the first month the student is introduced to Vergil's language and style. He is then given a large reading assignment in Vergil, which he will complete in great part on his own by the end of the term. The next month provides him with a similar introduction to Livy's prose, with occasional class periods devoted to questions in Vergil that may arise. During the last month the student reads on his own parts of Vergil and Livy, while the meetings turn to the bases of structural analysis of creative art, with poems of Catullus, Horace and Propertius studied in class.

The first term provides a basic reading technique; the second term should bring the student to the threshold of college level work in Latin. The course serves as an introduction to prospective majors who have had no Latin or poor training, in which case it should be taken in the freshman year. For students in the Humanities who wish to minor or take a joint program with Latin, the course should be taken not later than the sophomore year.

Miss HEIBGES

**21.1 Introduction to Authors in a Social Context** Fall

This course provides a wide selection of examples from Roman Literature,

both prose and poetry, which will be used to demonstrate the various dimensions in which a document can be perceived in relation to the social and historical mise-en-scene. The theory of this process will be fully discussed in class; in addition the student must prepare himself in ability to read Latin with an eye toward increased fluency and ultimate development of a reading knowledge. (Latin 11.2 or three to four years of high school preparation, in which case confer with the instructor.) Miss Heibges

**21.2 Introduction to Poetry†** Spring
The course is directed toward a perception of the creative and artistic use of Latin, and will investigate the spiritual qualities which make the poet as well as the formal and structural dimensions which are observable in poetic discourse. The poetry will be studied with no reference to historical actuality in order to focus the student's attention more fully on the inner structure of the poem as an artifact of words drawn through time. Mr. Harris

**Latin 21.1 and 21.2** serve for the language requirement. They can be taken in either order.

**31.1 and 31.2 The Earlier Literature§** Fall and Spring
Of the following areas and topics one will be chosen to be given in the fall term and one in the spring term. Choice will depend on the needs of the students and special sequences will be determined from year to year.
a) Plautus and the early drama
b) Lucretius and Roman Philosophy
c) Love poetry: Catullus, Propertius, Tibullus
d) Cicero and his world
e) Lyric: Catullus and Horace

The work is conducted in small groups in which the student participates actively. Papers and seminar reports introduce the student to the secondary literature, while he develops his sense of the language by reading large sections of texts. The actual understanding of the language is at this point the student's responsibility, and the classwork turns to historical, social and esthetic considerations. Miss Heibges

**41.1 and 41.2 The Later Period§** Fall and Spring
One of the following topics will be offered in the fall and one in the spring term. Choice will involve students' interest and the optimum effect of the sequence continuing from Latin 31; these two years' work are conceived as a single program working intensively with some of the most important works from the two critical centuries in Roman culture.
a) Ovid
b) Satire: Horace, Persius, Juvenal
c) Tacitus
d) The Novel: Petronius and Apuleius
e) The Christian authors from Minucius Felix to Augustine. Mr. Harris

**50.1 and 50.2** Fall and Spring
Special projects studied independently in greater detail. Staff

## Greek

**15.1 Introduction to Greek** Fall

No previous knowledge of the language is required. The first term will cover basic structure and vocabulary of Ancient Greek as a preparation for a reading knowledge of ancient Greek literature. STAFF

**15.2 Introduction to Homer's Iliad** Spring

Starting with very careful reading of small portions of the text with grammatical analysis in class, the student will proceed with the aid of graded vocabulary tapes to a fairly fast pace of reading, and will cover approximately four books of the *Iliad.* STAFF

**24.1 Homer: Iliad and Odyssey** Fall

Fast reading of a considerable portion of the *Iliad* and *Odyssey* with introduction to the critical literature and secondary materials. Much of the classwork will be devoted to formation of an esthetic appreciation of Homer's work. Miss HEIBGES

**24.2 Introduction to Greek Drama†** Spring

Carefully guided reading in Euripides leading to one play of Sophocles, with sufficient reference to the intellectual history of the Greeks to make this singularly beautiful and difficult area meaningful. Mr. HARRIS

**32.1 Pindar and Aeschylus§** Fall

**32.2 Plato and Thucydides§** Spring

This course serves as an introduction to four difficult authors. In the first term the choral tradition and the highly choral drama of Aeschylus are studied. Classes will be devoted to detailed exegesis of the historical material necessary to understand the text, and to analysis of the unusually involved form of the poetry. In the second term Plato will serve as an introduction to Attic prose; as soon as the student can work with the text with some facility, extensive readings will be assigned, and attention will turn to Thucydides. Mr. HARRIS

**50.1 and 50.2 Independent study** Fall and Spring

Students will select an author or area not previously studied and work largely on their own, conferring weekly with the staff about problems in language and interpretation as they arise. STAFF

## FRENCH

Professor: *C. L. BOURCIER (*chairman*); Associate Professor: J. M. WATKINS (*Acting Chairman, First Semester*); Assistant Professor: J. A. VADON; Associate: Mme. J. VADON; Visiting Lecturer J. LEREDE; Assistants: MLLES. M. EDELSTEIN, R. SERVET; MME. D. WATKINS

The French Department aims at developing in its majors the following skills:

1. A command of the French language in its oral and written forms so that students may exchange information and ideas in French on any topic of normal concern to cultivated

*On leave, 1st Semester, In Paris

people and appreciate fully any piece of French writing, be it a literary text or a document of definite import in any field (arts, sciences, etc.).
2. A grasp of the essential geographical, historical, sociological and cultural factors that make an understanding of France, her people and her civilization more significant.
3. An intimate acquaintance with the major French literary personalities and their work as representatives of a typical culture within the Western World.

To achieve such aims, the following courses of study are prescribed: "Composition and Introduction to Literature" (French 21), designed to improve the students' command of the language while initiating them into the basic techniques of literary analysis; "Advanced Grammar, Composition, and Stylistics" (French 32), to give them the flair for shades of idiomatic and literary expression; "French Civilization" (French 46), to give them the systematic insight into the geographical and historical factors that made France and the French; and four semester courses in the literature of various periods. Majors are required to choose a minimum of one additional semester in a discipline of their particular interest: "Phonetics" (French 35.1), "Advanced Oral Practice & Self-Expression" (French 36.2), "Contemporary France" (French 47.1), or "Studies in 20th Century Literature" (French 44.1 and 44.2).

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Required for the Major: 21.1, 21.2, 32.1, 32.2, 46.1, 46.2; General Examination. Four semesters chosen from: 38.1, 39.2, 41.1, 41.2, 42.1, 42.2, 43.1, 43.2. One semester chosen from: 35.1; 36.2; 44.1, 44.2; 47.1. For women, at least one year in residence at Le Château.

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**10.1 Beginners' French** Fall

Oral inductive approach aimed at mastering the patterns of simple spoken French. Reading, writing, and grammar. Intensive use of the Language Laboratory for individual exercises. Laboratory fee: $10.00 (French 10.2 must be passed before credit is given for 10.1.) Mr. WATKINS

**10.2 Beginners' French** Spring

Oral inductive approach combined with more emphasis on the reading and writing aspects of the language. Students are asked to participate more actively. Language Laboratory still intensively used. Laboratory fee: $10.00. Mr. WATKINS

**11.1 Intermediate French** Fall

A course open to students who have had one year of French in secondary school, or an otherwise poor preparation in the language. Grammar review, with an emphasis on reading and writing. (Students who wish to prepare for the Qualification Test to pass their Language degree requirement are advised to take this course.) STAFF

**11.2 Intermediate French** Spring

Composition and conversation are emphasized to prepare the students for more advanced work in the Department if they so choose. (Completion of this course after the completion of French 10 at Middlebury should not be construed as fullfilling the foreign language degree requirement.) STAFF

**12.1 Syntax, Reading, and Oral Practice** Fall

The usual freshman course for students with two or three years of average preparation in the language. French syntax is systematically reviewed, inten-

sive reading of modern material. Individual practice in the Language Laboratory. Laboratory fee: $10.00. STAFF

**12.2 Syntax, Reading, and Oral Practice†** Spring
Students are asked to participate actively in the classroom. Introduction of modern novels, with the "explication de textes" method. Laboratory fee: $10.00. STAFF

**21.1 Composition and Introduction to Literature** Fall
Critical reading of modern French plays, and introduction to the various techniques of literary analysis: plot, psychological characterization, symbolic meaning. Systematic study of sentence structure, and continuation of the "explications de textes" method. Introduction to the literary "dissertation" techniques and the study of French verse forms. (Permission) STAFF

**21.2 Composition and Introduction to Literature** Spring
More advanced practice in the various techniques studied in French 21.1, especially with respect to modern poetry and the latest examples of French theatre. (Fr. 21.1 or Permission) STAFF

**32.1 Advanced Grammar, Composition and Stylistics** Fall
A systematic and thorough review of French grammar with special stress on the difficult points of syntax. Translation into French of English and American stylists. (Fr. 21.2 or permission) Mr. WATKINS

**32.2 Advanced Grammar, Composition and Stylistics** Spring
A theoretical and practical approach to the problems of composition and style. Composition based on idiomatic texts. The study of style and syntax will be pursued through the thorough analysis of selected passages taken from French stylists. (Fr. 32.1 or permission) Mr. WATKINS

**35.1 Phonetics and Diction** Fall
A descriptive and historical study of the pronunciation of cultivated French. An analysis of the phonetic features of French; systematic exercises in pronunciation, intonation and reading of French prose and poetry. Laboratory fee: $5. (Fr. 21.2 or permission) Mr. WATKINS

**36.2 Advanced Oral Practice and Self-Expression** Spring
To develop fluency in speaking French and the command of idiomatic expressions. Organized vocabulary development and oral composition on the basis of topics of concrete and abstract definition. (Permission)
M. BOURCIER

**[38.2 Life and Literature in the Middle Ages§]**
The general spirit, the political and artistic developments of medieval France will form the background against which the various literary productions of that age will be studied, with an emphasis on some typical authors and works. (Fr. 21.2 or permission)

**39.2 Life and Literature in the 16th Century§** Spring
The Age of the Renaissance and Reformation. The mood and temper of the time, and its expression in the works of the leading authors of that period, with special emphasis on Rabelais and Montaigne. (Fr. 21.2 or permission)
M. VADON

**41.1 Life and Literature in the first half of the 17th Century§** Fall
The preparation of the Age of Classicism; the advent of Absolute Monarchy; the development of Baroque art and literature; "romanesque" and "préciosité," and the great authors of that period: Corneille, Descartes, and Pascal. (Fr. 21.2 or permission) Mme. VADON

**41.2 Life and Literature in the second half of the 17th Century§** Spring
The Age of Classicism; the political, social, and cultural implications of the "Century of Louis XIV"; the great "classicists": Molière, Racine, Boileau, La Fontaine; the end of "classicism" and the first rumblings of the new age. (Fr. 41.1 or permission) M. BOURCIER

**42.1 Life and Literature in the first half of the 18th Century§** Fall
The Age of Enlightenment in France; the political and social upheaval under the Regency and Louis XV; the rise of the "philosophical mind" and the critique of the established order: Montesquieu, Voltaire, Diderot and the *Encyclopédie*. (Fr. 21.2 or permission) M. LERÈDE

**42.2 Life and Literature in the second half of the 18th Century§** Spring
The origins of the French Revolution and the reign of Louis XVI; Rousseau and the development of the pre-romantic attitudes; Chénier, Bernardin de Saint-Pierre; Beaumarchais. (Fr. 42.1 or permission) Mme. VADON

**[43.1 Life and Literature in the first half of the 19th Century§]**
From the French Revolution to the Second Republic; the impact of the industrial revolution on French society. The development of French Romanticism: Chateaubriand, Lamartine, Vigny, Musset, and Hugo; from Romanticism to Realism: Balzac and Stendhal. (Fr. 21.2 or permission)

**[43.2 Life and Literature in the second half of the 19th Century§]**
From the Second Empire to the Third Republic; the rise of the new generation and the advent of the "modern world." Its artistic and literary implications: Realism, Naturalism, Symbolism, and the germs of contemporary thought and esthetics. From Baudelaire to Apollinaire. (Fr. 43.1 or permission)

**44.1 Studies in 20th Century Literature: Mauriac and Green§** Fall
Through selected works of François Mauriac and Julien Green, the course will study two kindred modern French literary figures and analyze their psychological, religious, and metaphysical approach to literature. (Fr. 21.2 or permission) M. VADON

**44.2 Studies in 20th Century Literature: Proust§** Spring
A study of one of the most important literary figures of our times, through a

detailed analysis of his essential masterpiece, *A la Recherche du Temps Perdu*, and his other works. (Fr. 21.2 or permission) Mr. WATKINS

**46.1 French Civilization** Fall
The geography of France, her physical and human aspects; an outline of her political, social, intellectual, and artistic history, from the origins to the end of the 16th century. (Fr. 21.2 or permission) M. LERÈDE

**46.2 French Civilization** Spring
The development of the French State and the French Nation from the 17th century to the present; the main features of its present-day civilization and culture. (Fr. 46.1 or permission) M. BOURCIER

**47.1 Problems of Contemporary France** Fall
A seminar on the present situation in France: her political, economic, social, religious, and cultural life, and the problems facing her. (Permission) M. LERÈDE

**50.1 and .2 Advanced Studies in Language, Civilization and Literature** Fall and Spring
Candidates for the Master's degree, and qualified undergraduates, may be permitted to undertake a special project in reading and research under the direction of some member of the Department. STAFF

## GERMAN

Associate Professor: K. SPARKS (*chairman*); Assistant Professors: V. H. VAIL, *T. HUBER; Lecturer: Miss E. MILLER; Assistants: Miss M. SUTTER, Miss B. FIELITZ

Departmental students are required to take all of the eight courses which presently constitute the Major in German Literature. Since all higher courses will be conducted in German, completion of 21.2 or its equivalent is prerequisite to acceptance into the department. In their junior and senior years qualified students may undertake approved independent research.

**11.1 and 11.2 Beginners' German** Fall and Spring
The course consists of three lectures, three drills and a laboratory hour.

*Lectures.* All grammatical explanations are given during the lecture hours. The lectures also predrill the student, which is to say, the student is guided through the exercises that he is to prepare for the following day's drill.

*Drills.* Drilling is done in groups of approximately ten students. Since they have been guided through the exercises in lecture, students are expected to display absolute and automatic control of drill assignments.
Mr. VAIL, Mr. SPARKS and STAFF

**21.1 Intermediate German** Fall
The course meets three hours a week in sections of approximately ten students. It begins with a comprehensive grammar review; this is followed by a phase in which literary texts are used as the basis of further language

*In Mainz, 1966-67

instruction and for the acceleration of reading speed. In the final phase of the course, progress in the language is supplemented by guided essay writing and textual interpretation. STAFF

**21.2 Advanced German** Spring
The course meets three times a week in sections of approximately ten students. Modern German texts will be read and interpreted, and the student will be introduced to the methods of literary analysis. The course will further increase the student's fluency in spoken German and his facility in reading. Additionally, the student will be trained in the writing of interpretive essays.
STAFF

**31.1 Modern German Literature§** Fall
The course is designed to accommodate interested non-majors as well as majors. It will examine the development of German Literature since Naturalism, focusing on works by Hauptmann, Mann, Hofmannsthal, Kafka, Brecht and others. Considerable attention will also be devoted to representative post-war writers. Offered in alternate years; to be given in 1966–67.
Mr. VAIL

**33.1 The German Novelle§** Fall
This course will follow one genre, the *Novelle*, as it evolves through a century and a half of German writing. The aim of the course is to acquaint the student not only with the development of a form, but with the companion development of the critical concepts which serve it. Readings will range from Goethe to Kafka. Offered in alternate years; to be given in 1966–67.
Mr. SPARKS

**[35.1 German Lyric Poetry§]** Fall
Like the course in the *Novelle*, this course directs the student's attention to the evolution of a single genre through several "schools" and periods. Readings will cover major poets from the eighteenth century to the present. Offered in alternate years; not to be given in 1966–67.

**[41.1 The Eighteenth Century§]** Fall
From Late Baroque up to and including *Sturm und Drang*. In addition to dealing with selected literary works of the early and mid-eighteenth century as objects interesting in themselves, the course will study these works as background for Goethe and Schiller, whose early works will be represented. Offered in alternate years; not to be given in 1966–67.

**[41.2 The Age of Goethe and Schiller§]** Spring
A representative selection of Goethe's early and mature works will provide the frame of the course. The student will be given insight into the artistic development of a single great figure. Readings will include an early and a late novel of Goethe's, lyrics from throughout his career and several plays, one of which will be *Faust I*. A selection of Schiller's poems, essays and plays will be used to counterpoint Goethe's development and his interests. Offered in alternate years; not to be given in 1966–67.

**43.2 Romanticism§** Spring
This course will provide the student with the techniques for examining a period in depth. The emphasis will be on narrative forms, but some primary criticism (e.g. Novalis and the Schlegels) will be read as well. The course will give the student a basis from which to understand romantic themes and forms as they are carried forward into the twentieth century. Readings will include works by Wackenroder, Tieck, Novalis, the Schlegels, Eichendorff, Brentano, von Arnim, E.T.A. Hoffman and Heine. Offered in alternate years; to be offered in 1966–67. Mr. VAIL

**45.2 Seminar: German Drama§** Spring
The theme of this seminar will be the development of German Drama from Kleist to the present. (Eighteenth Century Drama will be included in 41.1 and 41.2.) Authors will included Kleist, Hebbel, Grillparzer, Büchner, Holz, Hauptmann, Hofmannsthal, Wedekind, Brecht and Kaiser. Several contemporary *Hörspiele* will be interpreted as well. Offered in alternate years; to be given in 1966–67. Miss MILLER

**[47.2 Seminar: The German Novel§]** Spring
The tentative theme of this seminar is the development of the *Bildungsroman* from Goethe forward. Readings will include novels by Goethe, Keller, Mann and Kafka. Offered in alternate years; not to be given in 1966–67.

## RUSSIAN

Professor: M. H. FAYER (*chairman*); Lecturers: Mrs. B. O. NORMANO, A. SHEPHERD.

Majors planning to teach Russian are expected to take language and literature courses in other departments. Those preparing for government service are expected to take courses in Political Science or in the Division of Social Sciences.

### Courses in Russian Literature and Civilization Conducted in English

While more and more students enter Middlebury College with two or three years of high school Russian, the majority of freshmen enrolling in Russian are still beginners. A minimum of two years in the language is required before one can apply it to the study of literature and civilization. In order to introduce the major to Russian culture as soon as possible and while he is still learning the language, the Department offers the following courses conducted in English: 25.1 (Russian Literature and Culture), 25.2 (Political and Social History of the U.S.S.R.), and 35.1 (Tolstoy and Dostoevsky: Their Works and Influence). These courses are open to sophomores and also serve students in other departments.

The courses conducted in English acquaint the major with the broader aspects of Russian literature and civilization and make his task much easier in his junior and senior years when he continues the study of Russian literature and civilization in courses conducted in Russian.

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Required for the Major: 25.1, 25.2, 31, 35.1, 35.2 and Independent Study. Russian 41 is strongly recommended, but is required only of those majors who, in the opinion of the Department, need greater proficiency in writing and in speaking.

**11.1 Beginners' Russian** Fall
The students are introduced to the language through oral practice. Subsequently, writing and the elements of grammar are gradually introduced. The emphasis is on the spoken language of everyday use. Reading of easy Russian texts, singing and dramatization with a view to vocabulary building and accurate pronunciation. (Russian 11.2 must be passed before credit for 11.1 is given.) Laboratory fee $6.00. STAFF

**11.2 Beginners' Russian** Spring
Elements of grammar, oral and written exercises. Reading of connected narratives of increasing difficulty. Written compositions and conversations based on the readings. Two laboratory hours weekly. Laboratory fee $6.00. STAFF

**21.1 Intermediate Russian** Fall
Systematic study of grammar. Introduction through simplified texts to the life and culture of Tsarist and Soviet Russia. Dictation, composition, conversation, and extensive work with tape recordings. (Russian 11.2 or equivalent) Laboratory fee $6.00. STAFF

**21.2 Intermediate Russian†** Spring
Grammar review. Introduction through simplified texts to Russian literary masters. Study of idioms and word formation. Emphasis on oral expression. Extensive work with tape recordings. Laboratory fee $6.00. STAFF

**[25.1 Russian Literature and Culture (in English)§]** Fall
Russia before the Revolution; a survey of Russian institutions and ideas up to the Bolshevik Revolution, with special emphasis on the culture of the 19th century. The major part of the course will deal with the great literary figures: Pushkin, Gogol, Goncharov, Turgenev, Tolstoy, Dostoevsky, and Chekhov. No knowledge of Russian is required. Offered in alternate years; to be given in 1967–68. No prerequisite.

**[25.2 Political and Social History of the U.S.S.R. (in English)]** Spring
The Russian Revolution and its historical background. The political, social and cultural evolution of Soviet Russia from 1917 to the present time. Special emphasis is placed on the theory and practice of Russian Communism. No knowledge of Russian is required. Offered in alternate years; to be given in 1967–68. (Counts as a Group B course.) No prerequisite.

**31.1 Conversation and Composition** Fall
Prepared discussion on assigned topics with definite vocabulary preparation; oral and written reports and class discussions, based on reading selections from standard Russian authors. STAFF

**31.2 Conversation and Composition** Spring
Reading of Russian newspapers and magazines. Introduction to area studies: geography, history, population, industry, agriculture, religion, commerce, education, art, etc. Oral and written reports on assigned topics and class

discussions. Designed to build an extensive vocabulary and increase oral fluency. STAFF

**35.1 Tolstoy and Dostoevsky: Their Works and Influence (in English)** § Fall
A study of the period, significant works, influence at home and abroad. Lectures, oral and written reports, class discussions. Offered in alternate years; not to be given in 1967–68. No prerequisite. Mr. FAYER

**35.2 Contemporary Russian Literature (in Russian)** § Spring
Major literary trends since 1880 in Russian drama and fiction, with special emphasis on Chekhov and 20th century writers: Gorky, Alexei Tolstoy, Sholokhov, Leonov, Simonov and others. Offered in alternate years; not to be given in 1967–68. Mr. FAYER

**41.1 Advanced Language Study through Literature** Fall
Based on the reading of 19th century short stories and plays by Russian masters. Intended for students desiring to combine extensive reading with oral and written expression. Particular emphasis will be placed on advanced grammar and syntax. (Russian 31.2 or permission) Mr. FAYER

**41.2 Advanced Language Study through Literature** Spring
Based on reading of 20th century short stories and plays, mostly by Soviet writers. Emphasis is on the more difficult points of grammar and syntax. Mr. FAYER

**50.1 and 50.2 Special Research in Language and Literature**
Fall and Spring
Students who have the proper qualifications may undertake a special problem in reading and research. Mr. FAYER and STAFF

## SPANISH AND ITALIAN

Professors: S. GUARNACCIA (*Chairman*), S. CASTIGLIONE; Assistant Professors: E. WORTHEN, *R. OSUNA; Instructor: M. GONZÁLEZ; Lecturer: Mrs. C. CENTENO.

The Major in Spanish consists of a body of courses which leads systematically to the perfection of the ability to read, speak and write Spanish, and to a general knowledge of the broad aspects of Spanish and Spanish American Literatures and Civilizations. A comprehensive examination is required of all majors in May of the senior year, covering in breadth and depth the cumulative materials of the four years of course work.

A study of Spanish literary style, of literary and historical movements is designed to lead the student to an appreciation of the creative genius of the various civilizations which make up the Spanish speaking world. The detailed study and discussion of the great literary creations will be further enhanced by studies in artistic movements affecting developments in painting, sculpture and architecture as well as in music.

Required for a Major: Spanish 31.1, 31.2, 43.1, 43.2, 44.2, and 12 additional semester hours in Literature in the Department, Independent Study, and the General Examination. Women majoring in the Spanish Department are required to live in the Casa Espanola one year, preferably the junior year.

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*On leave, 1966–67, In Madrid

Students will have the opportunity to concentrate in Spanish or Spanish American Literature in the Independent Study program. Beginning with the Class of 1967, the General Examination and Independent Study Programs will carry six credit hours each.

## Spanish

**11.1 Beginners' Spanish** Fall

Elements of pronunciation; fundamentals of grammar; reading of cultural materials; dictations; vocabulary building. (Spanish 11.2 must be passed before credit for 11.1 is given.) Laboratory fee $7.50.

Mr. Guarnaccia; Mrs. Centeno; Mr. Worthen

**11.2 Beginners' Spanish** Spring

A thorough study of regular, irregular, radical changing, and orthographic changing verbs; the subjunctive in noun, adjective and adverbial clauses; laboratory work to perfect pronunciation, with tape recordings and listening exercises. Laboratory fee $7.50.

Mr. Guarnaccia; Mrs. Centeno; Mr. Worthen

**12.1 Intermediate Spanish** Fall

This course is offered for students who have had previous work in Spanish but whose preparation is not sufficient to admit them to Course 21. It will consist of a brief grammar review and intensive reading and class discussions of Spanish and Spanish American short stories and poetry. Laboratory fee $7.50.

Mr. Guarnaccia, Mrs. Centeno

**12.2 Intermediate Spanish†** Spring

Continuation of 12.1. Laboratory fee $7.50.

Mr. Guarnaccia, Mrs. Centeno

**21.1 Advanced Grammar and Reading** Fall

A review of grammatical principles; readings in Spanish and Spanish American Literature. Designed for students with two or three years of high school Spanish and some training in understanding and speaking Spanish.

Mrs. Centeno, Mr. González

**21.2 Advanced Grammar and Reading** Spring

A systematic review of Spanish grammar with particular emphasis on the most difficult points of syntax. Written and oral work in addition to extensive reading.

Mrs. Centeno, Mr. González

**31.1 Introduction to Spanish and Spanish American Literature** Fall

This course is designed to acquaint the student with the main authors and currents of the Literature of the Spanish speaking world up to the XVIII Century. Intensive aural and oral training will be combined with extensive reading. Suitable for students who are not Spanish majors. (Spanish 21 or permission)

Mr. González

**31.2 Introduction to Spanish and Spanish American Literature**§ Spring
Major literary trends and authors from the XVIII Century up to the present day. (Spanish 31.1 or permission) Mr. WORTHEN

**40.1 Spanish Literature from the Middle Ages to the XVI Century**§ Fall
Based on the reading of unabridged works. Books to be read will include *Poema de Mío Cid*, *Libro de Buen Amor*, *El Conde Lucanor*, *La Celestina*, *Amadís de Gaula*, *La Diana*, *El Lazarillo de Tormes*, and the poetry of Garcilaso, Fray Luis and San Juan de la Cruz. Offered in alternate years. To be given in 1966–67. Mr. GONZÁLEZ

**40.2 Spanish Literature of the XVII and XVIII Centuries**§ Spring
Based on the reading of significant literary works such as *El Buscón*, *Fábula de Polifemo y Galatea*, *La Dorotea*, *El Sí de las niñas*, *Cartas Marruecas*, and selected essays by Feijoo and Jovellanos; popular poetry of the Golden Age will also be analyzed. This course will be complemented by Course 45.2. Offered in alternate years. To be given in 1966–67. Mr. GONZÁLEZ

[**41.1 Spanish American Literature from the Discovery to Romanticism**]
Spanish classical trends and their reflection in Colonial Literature. From the Crónicas de Indias to Romanticism. Offered in alternate years. Not to be given in 1966–67.

**42.1 The Spanish American Novel**§ Fall
A study of the main currents of the Spanish American Novel from the XIX Century up to the present. A dozen of the works of the outstanding authors will be read and analyzed. Offered in alternate years. To be given in 1966–67. Mr. WORTHEN

[**42.2 Modernismo and Postmodernismo in Spanish American Literature**]
A detailed analysis of Spanish American Lyric Poetry from the end of the XIX Century up to the present, with special emphasis on Rubén Darío. Contemporary authors will include Neruda, Vallejo and others. Offered in alternate years. Not to be given in 1966–67.

[**43.1 Spanish Civilization**]
Study of the Spanish character and of Spain's contribution to world civilization; the geographical, ethnical, historical, political, and artistic evolution of Spain, together with a study of its traditions and customs. Offered in alternate years; not be be given in 1966–67.

[**43.2 Spanish American Civilization**]
With a similar method and parallel subject matter to Spanish 43.1, this course will study Spanish America and its contribution to America's culture. Offered in alternate years; not to be given in 1966–67.

[**44.2 Advanced Language Study**]
A course in composition. Designed to give a good preparation in written Spanish to students planning to teach. The idiomatic use of the Spanish

language will be especially stressed, as it applies to the written and spoken language. (Spanish 21.2 or permission.) Offered in alternate years. Not to be given in 1966–67.

**[45.1 Cervantes§]**
A study of the most important works by Cervantes, including *Don Quijote*, samples of his *comedias* and *entremeses*, and *novelas ejemplares*, plus *El viaje del Parnaso*. Offered in alternate years. Not to be given in 1966–67.

**45.2 Spanish Theatre of the XVI and XVII Centuries§** Spring
A thorough review of some of the most relevant dramatic pieces of this period. Authors studied will include Gil Vicente, Torres Naharro, Lope de Rueda, Lope de Vega, Tirso de Molina, Rojas, Alarcón, Vélez de Guevara, Moreto, and Calderón. Offered in alternate years. To be given in 1966–67.
Mr. González

**46.1 Spanish Literature of the XIX and XX Centuries§** Fall
Romanticism, Realism and Naturalism as reflected in the works of Larra, Zorrilla, Alarcón, Pérez Galdós, and Blasco Ibáñez. The Generation of '98: Unamuno, Valle Inclán, Juan Ramón Jiménez and Baroja. Offered in alternate years. To be given in 1966–67. Mr. Worthen

**46.2 Spanish Literature of the XIX and XX Centuries§** Spring
A continuation of the generation of '98. The study of the poetry of the generation of '27 and the contemporary novel. Azorín, Machado, Benavente, Ortega, Salinas, Guillén, García Lorca, Alberti, Laforet and Cela. Offered in alternate years. To be given in 1966–67. Mr. Worthen

**50.1 and 50.2 Advanced Studies in Language and Literature**
Fall & Spring
The student will work on an independent research project in consultation with a member of the staff.

## Italian

**15.1 Beginners' Italian** Fall
A thorough training in pronunciation, dictation, grammar and conversation. Laboratory exercises will be used as an aid to the student. Varied readings from representative authors. Mr. Castiglione

**15.2 Beginners' Italian** Spring
The second semester will be devoted to a study of the Italian verb, the subjunctive and its applications, vocabulary building, and readings of more difficult texts. Mr. Castiglione

**25.1 Second year Italian** Fall
A review of grammar combined with intensive and extensive reading is designed to prepare the student for more advanced study of spoken and literary Italian. Mr. Castiglione

**25.2 Second year Italian†** Spring
The reading of Italian short stories and plays will be combined with lectures on cultural areas pertaining to Italian art, literature, and music.
Mr. CASTIGLIONE

**31.1 Literature §** Fall
The aim of this course is to acquaint the student with the Italian literary currents and their principal authors. The history of Italian literature will be traced from its origin to the present. The first semester will cover the Sicilian School, "Dolce stil novo," Humanism and Renaissance. Mr. CASTIGLIONE

**31.2 Literature §** Spring
The second semester will concentrate mostly on Barocco, Arcadia, Neoclassicism, Romanticism, Naturalism (Verismo). Mr. CASTIGLIONE

# Division of the Social Sciences

Professor KARL L. ANDERSON, Chairman

ECONOMICS
HISTORY
POLITICAL SCIENCE
PSYCHOLOGY
SOCIOLOGY-ANTHROPOLOGY
TEACHER TRAINING

## ECONOMICS

Professors: K. L. ANDERSON, D. K. SMITH (*chairman*); Associate Professors: J. V. CRAVEN* K. H. WOLFF; Assistant Professor: T. H. HIBBARD; Instructors: J. T. WENDERS, D. M. BECHTER

The Economics Department seeks to develop the student's capacity for economic analysis. The importance of economic problems calling for clear thinking is obvious. The Department believes that a knowledge of the literature of Economics, what tools are available for analysis, and how they may be used should make possible effective work by the students majoring in the field.

The major normally acquires fundamental tools in the sophomore year. Since economic concepts can usually be quantified, their exposition and application calls for the use of Mathematics, Statistics and Accounting procedures. The major is therefore urged to take Statistics and Accounting in his sophomore year. While the Department does not require course work in Mathematics, it urges its students to recognize the merit of such courses in their backgrounds. The mathematical concepts most explicitly needed in Economics courses are developed within the course framework. The mastery of the "tool" courses permits advanced study in the major areas of Economics in the junior year. The work of the senior year centers on Independent Study, in which the student utilizes his previous training on a series of projects under departmental direction. The General Examination is the natural culmination of the integrated program of the Economics major.

The Department serves as a clearing house for information on Graduate Schools in Business and Economics. For those students who plan to attend graduate school in Business or in Economics it recommends as a minimum Mathematics 12 and Economics 49.2. Non-economics majors going to Business School should take at least Economics 21.1 and .2, 26.1 and 27.1. Any student planning to do graduate work in Mathematical Economics or in Econometrics should take Mathematics 34.2 and 35.2.

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Required for a Major in Economics: 21.1, 21.2, 26.1, 27.1, 33.1, 38.1, 38.2, 42.2, one other semester course in Economics, Independent Study and the General Examination.
Beginning with the Class of 1967, the General Examination and Independent Study Programs will carry six credit hours each.
Cognate Courses Strongly Recommended: Mathematics and History
Cognate Courses Recommended: Geography and Political Science

**21.1 Principles of Economics** Fall
A study of the scope of Economics; economic systems; price theory; foreign trade; income distribution. STAFF

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*On leave, 1966–67

**21.2 Principles of Economics** Spring
A study of the determination of income and employment; the banking system and monetary policy; fiscal policy; aspects of foreign trade not covered in 21.1. (The two semesters of 21 may be taken in either order but credit for one semester is withheld until the other has been successfully completed.) STAFF

**26.1 Economic Statistics** Fall and Spring
A study of the theory and applications of statistics as they relate to Economics. Primary emphasis is placed on the use of statistical tools to organize and describe economic and business data. The topics covered include descriptive statistics, sampling theory and the testing of hypotheses, time series analysis, and correlation theory. Calculating machine fee: $6.00.
Mr. BECHTER, Mr. HIBBARD

**27.1 Principles of Accounting** Fall and Spring
The philosophy of Accounting; accounting procedures with maximum emphasis on the theoretical considerations involved; proprietorship, partnership and corporate accounting. (This course is strongly recommended for all students planning for graduate study in law or business.) Mr. SMITH

[**27.2 Principles of Accounting**]
Cost accounting; financial analysis; theory of accounting, with emphasis on society's interest in accounting practices and the possible alternatives to those practices. (Econ. 27.1)

**33.1 The Theory of the Firm and the Consumer** Fall
A detailed analysis of the pure theory of consumption and production employing indifference curve techniques throughout. Particular attention is given to the derivation of supply and demand functions in both product and factor markets from the maximizing behavior of firms and consumers. A general equilibrium model is presented as a unifying element. Relevant mathematical tools are developed as needed. (Econ. 21.1 and 21.2)
Mr. HIBBARD

**34.2 The Corporation and the Economy** Spring
A study of corporate financing; the corporation as an object of public policy; the corporation viewed as a major influence in the economy. (Econ. 21.1 and 21.2) Mr. SMITH

[**36.1 Labor Problems**] Fall
The history of the labor movement; union structure and government; economics of the labor market; labor legislation. (Econ. 21.1 and 21.2) (To be given in 1967.)

**38.1 The National Economy** Fall
A detailed analysis of the determinants of the level, growth, and fluctuations of national income, employment, and prices. The contributions of both the Classical and Keynesian theories are presented in a general equilibrium context. Modern theories of economic growth and business cycles are discussed. (Econ. 21.1 and 21.2) Mr. WENDERS

**38.2 The National Economy** Spring
A study of public policies affecting aggregate output, employment, prices, fluctuations and growth. The emphasis is upon fiscal and monetary measures as employed in the United States. (Econ. 38.1) Mr. ANDERSON

**40.1 Economic Growth** Fall
A study of the attempts to broaden economic theory beyond static analysis toward a theory of dynamic change and growth. (Econ. 21.1 and 2; Econ. 38.1 or permission.) Mr. WOLFF

**40.2 Economic Development** Spring
An analysis of history, theory, and competing contemporary policies for economic development. (Econ. 21.1 and 21.2) Mr. WOLFF

**42.2 Public Policy Toward Business** Spring
A detailed analysis of the behavior of the firm under varying market structures and its public policy implications. In each case, the relevant theoretical tools are developed and applied to a particular industry in the United States. Emphasis is placed on modifications and extensions of the traditional theory of the firm as a tool for the analysis of existing market structures. Consideration is given to the dimensions of public policy throughout. (Econ. 21.1 and 21.2) Mr. WENDERS

**43.1 International Trade** Fall
A study of international economic relationships in theory and practice. (Econ. 21.1 and 21.2) Mr. ANDERSON

**[44.2 Government Finance]**
Principles and practices relating to government revenues, budgeting and expenditures, incidence and effects of taxation; fiscal policy; the use of public credit.

**[45.2 Comparative Economic Systems]**
An analysis of the alternative methods proposed and used for solving the universal economic problems under different social and political philosophies and forms of government.

**[46.1 and 46.2 Economics of Business Management]**
A study of the application of the principles of Economics to the decisions of management.

**[48.1 and 48.2 Economic Thought and Modern Economic Tendencies]**
A study of the great thinkers in Economics against the background of their times.

**49.2 Mathematical Economics** Spring
A study of selected topics in economic analysis with the use of mathematical and statistical methods. Calculating Machine Fee $3.00. (Econ. 21.1 and 21.2 and permission.) Mr. BECHTER

**50.1 and 50.2 Special Individual Research** Fall and Spring.
To be arranged for qualified students as the need arises. STAFF

## HISTORY

Professor: P. E. Tillinghast (*chairman*); Associate Professor: W. B. Catton; Assistant Professors: M. E. Lamberti, N. B. Clifford, A. J. Knoll; Instructor; T. B. Jacobs.

The History major combines an introduction to several areas of historical knowledge and extensive study in two of these areas with intensive training and practical work in historical research. All History majors are required to take History 12 (or its equivalent), and four other semesters from among the lecture-courses in History. In their junior year, they take two semesters of History 39, which covers the major historians and major historical problems of either American, European or Non-Western history, and two pro-seminars. All seniors prepare for the Comprehensive Examination and write in addition a senior thesis for their Independent Study project. The cognate fields most usually recommended are foreign languages, Economics, Political Science, Geography, and English and American Literature.

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Required for all History majors: History 12 or its equivalent; four semesters from among the other lecture-courses in History; two pro-seminars; two semesters of History 39; preparation for the Comprehensive; and a senior thesis.

The General Examination will carry 4 credit hours, and the Independent Study, 8 credit hours, in 1966–7.

**12.1 The Expansion of Europe** Fall

The development of European ideas and institutions in the late Middle Ages; the voyages of exploration; the changes in technology in the early modern world. (Primarily for freshmen and sophomores: juniors and seniors admitted by permission only.) Mr. Knoll and Staff

**12.2 The Expansion of Europe** Spring

Continuation of 12.1. The changes in European life and how they affected the colonization and settlement of the non-European nations, through the Second World War. Mr. Knoll and Staff

[**13.1 Ancient History**]

[**13.2 Ancient History**]

**22.1 American History 1607–1877** Fall

History 22 is organized on the assumption that most students will have previously done work in American History and have a knowledge of the basic narrative material of this field of study. Accordingly lectures and reading will stress interpretations and will be topical in nature. History 22 is the normal introduction to further work in American History. The first semester analyzes the development of distinctive American institutions through the Civil War. The lectures, readings and discussions emphasize the political and economic structure of the nation. Mr. Catton, Mr. Jacobs

**22.2 American History 1865–1960** Spring

Continues the approach of 22.1. This course emphasizes the responses to the crisis of industrialization, the changing relationship between government and the economy, social and intellectual developments and the emergence of the United States as a major world power. Mr. Catton, Mr. Jacobs

**23.1 English History, 1485-1760** Fall
The Tudor "Revolution," the growth of new ideas under the Stuarts, and the rise of a new concept of government and society in the early 18th century.
Mr. TILLINGHAST

**23.2 British History since 1750** Spring
A survey of the period since the Industrial Revolution. The focus will be on social and intellectual change, and on the growth of reform movements to meet those changes.
Mr. CLIFFORD

**30. and 31. Pro-Seminars**
Pro-Seminars are courses in which the student is expected to produce written history involving research. Approximately the first six weeks of the course are devoted to classroom work with the instructor in the area of the course. Required reading stresses bibliography. During the remaining nine weeks students write a thesis using class time to report their progress. Research topics are chosen to improve the knowledge of the entire class in the subject area. Pro-Seminars are required of all history majors in their junior year, and are open to others by permission.

**American History:**

**30b The Early National Period 1815–50** Fall
Emphasizes the Federalist period and the Age of Jackson. Topics include the development of parties and the issues and problems of national development.

**30c The New Deal and World War II, 1930–45** Spring
The development of the political and economic institutions and the intellectual outlook of our own age.

**30f The Civil War Era, 1845–65** Spring
Emphasizes the growth of sectional conflict in the 1850's, the secession crisis, and various aspects of the war itself.

**European and Non-Western History:**

**31h German History, 1918–39** Fall
Stresses political institutions, social and economic conditions, religious and intellectual developments, and foreign policy.

**31j 19th century European Imperialism in Asia** Fall
Deals with the impact of the West on India and East Asia, the motives and rationalizations behind 19th century Imperialism.

**31g Tudor England** Spring
The interaction of political, religious, economic and social issues from 1485–1603.

**31k 20th Century Africa** Spring
The problems leading to the independence of the African nations, and the course independence has taken.

[**32.1 Economic History of the United States**]
(to be offered in 1967–68)

[**32.2 Economic History of the United States**]
(to be offered in 1967–68)

[**33.1 The Middle East and Africa—an historical study**]
(to be offered in 1967–68)

[**33.2 The Middle East and Africa—an historical study**]
(to be offered in 1967–68)

**34.1 History of Modern Europe, 1815-90** Fall
An analysis of political institutions, social and economic changes, religious and intellectual developments, and international relations. Students are encouraged to concentrate in a special area or country. Lectures are interpretive. Reading assignments include the finest interpretive studies on European history. Miss LAMBERTI

**34.2 History of Modern Europe, 1890-1950** Spring
Continues the approach of History 34.1. Special attention to the rise and nature of modern totalitarianism. (History 34.1 or permission.)
Miss LAMBERTI

**35.1 Medieval History** Fall
Western Europe from 1000 to 1300. The development of feudalism, the growth of the papacy as an administrative institution, and the consolidation of the first national monarchies. Mr. TILLINGHAST

**35.2 The Renaissance and Reformation** Spring
Continuation of 35.1. Western Europe from 1300 to 1570. Political and social changes in the north, the growth of humanism in the south, the religious revolts and the Catholic Reformation. Mr. TILLINGHAST

[**36.1 American Thought and Culture**]

[**36.2 American Thought and Culture**]

**38.1 East Asia to 1800** Fall
Surveys the development of China and Japan from their beginnings until the eve of the impact of western Imperialism. The focus will be on the development of traditional social and political institutions, and on their intellectual background. Mr. CLIFFORD

**38.2 East Asia since 1800** Spring
Continuation of 38.1, stressing the process of change following increased contact with the West, the challenges to traditional society, and the Asian responses. Mr. CLIFFORD

**39.1 The Literature of History** Fall
Extensive directed reading in the field of the student's choice designed to give him a thorough grounding in the secondary literature and major inter-

pretive problems of a particular area of history. The course will be divided into three sections: American, European and non-Western history. (Required of majors in History in their junior year, open to others by permission.)

Section A: Mr. Catton (U.S.)
B: Miss Lamberti (Modern Europe)
C: Mr. Knoll (Africa)

**39.2 The Literature of History** Spring
Continuation of 39.1 (Required of History majors in their junior year, open to others by permission.)

Section A: Mr. Catton (U.S.)
B: Miss Lamberti (Modern Europe)
C: Mr. Clifford (Far East)
D: Mr. Tillinghast (Europe before 1600)

[**40.1 Philosophy of History**] Fall

[**40.2 Philosophy of History**]

[**45.1 Intellectual History of Modern Europe**]

[**45.2 Intellectual History of Modern Europe**]

**50.1 and 50.2** Fall and Spring
Special research projects in History. (Permission only) Staff

## POLITICAL SCIENCE

Professor: C. L. Hoag; Associate Professors: H. E. Thurber (*chairman*), R. B. Carroll; Instructor: R. J. Leng

The Major in Political Science provides a broad background of knowledge of government and politics and supplies a framework within which individuals may view national and international affairs. Essentially the major program provides an understanding of political phenomena through the study of policy-making and its implementation which stresses the theoretical structure and its close relationship to practical politics. The Department offers a selected core curriculum with an opportunity to pursue the discipline further through independent study and research. Cognate courses for the Political Science major may range over a broad field and may be planned variously to meet differing purposes of the students. It is recommended that at least one course in Political Science be elected each year.

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Required for a Major: 11.1, 11.2, Independent Study and the General Examination. A total of 30 semester hours in Political Science must be completed in order to satisfy major requirements.

**11.1 and 11.2 American Government** Fall and Spring
General introductory course, based on a study of the national government and state and local governments, their basic theories, structure, powers, and operation, and their relationships with each other. Principles of politics and political behavior; the political issues and values found in American society; case studies in practical politics and government. Two lectures and one dis-

cussion section per week. (Political Science 11.2 may be taken prior to 11.1 with permission.) STAFF

### American Political Institutions

[21.1 State and Local Government]

**33.2 Administration and Policy Development** Fall
Administrative officials and the determination of public policy with emphasis on the problem of securing responsible government through Congressional supervision, judicial review, and Presidential control. Mr. CARROLL

**40.1 American Politics and Legislation** Fall
The American political process; the theory and practice of politics; the functions and activities of political parties and interest groups and their role in the initiation and control of governmental policies, including a consideration of crucial political issues and practical politics. (Pol. Sci. 11.1, 11.2) Mr. THURBER

**40.2 American Politics and Legislation** Spring
The formal and informal aspects of legislative organization and procedure; a study of political power as it is found in the legislative process and in the activities of the power groups found in American society. Closely related to current legislative proceedings. (Pol. Sci. 11.1, 11.2) Mr. THURBER

**45.1 American Constitutional Law** Fall
The study of the origins and framing of the Constitution and Supreme Court decisions and other writings dealing with problems of separation of powers and federalism. (Open to juniors and seniors, sophomores by permission) Mr. CARROLL

**45.2 American Constitutional Law** Spring
The study of the Bill of Rights and the Fourteenth Amendment as interpreted by Supreme Court decisions and related documents. (P.S. 45.1 and permission) Mr. CARROLL

### International Relations and Foreign Policy

**20.1 International Politics** Fall
A study of the relations among states, to include both "major" and "lesser" powers; the process by which policy is made; the factors that tend to shape policy. The international political process; interaction among states; basic factors in world politics; regional and international political and functional organization. (Pol. Sci. 11.1, 11.2) Mr. LENG

**20.2 International Politics** Spring
Continuation of 20.1 (Pol. Sci. 11.1, 11.2) Mr. LENG

**36.1 and 36.2 American Foreign Policy** Fall and Spring
Analysis of policy in the postwar period as reflecting the response of the United States to the requirements of leadership in a changing world. Em-

phasis upon the relation of policy to the political process. Special attention given to recent developments in the Executive branch as affected by the requirements of national security and international development. Evaluation of American policy in the Cold War by means of special case studies in particular problem areas. (Pol. Sci. 11.1, 11.2) Mr. Hoag

[42.1 International Politics: Theory]

[42.2 International Politics: Theory]

### Comparative Government

**22.1 Governments and Politics of Europe** Fall
Comparative analysis of selected foreign governments with emphasis on constitutional theory and practice and the relationship of the governments to their social and economic environments and to their international environments. Great Britain and the Soviet Union are studied in the first semester. (Pol. Sci. 11.1, 11.2) Mr. Thurber

**22.2 Governments and Politics of Europe** Spring
Continuation of 22.1. France, Germany and Canada. (Pol. Sci. 11.1, 11.2) Mr. Thurber

**35.1 Governments and Politics of the Far East** Fall
A study of the governmental systems of selected countries of the Far East. Attention given to ideology, political institutions, social and economic development as well as foreign relations. Emphasis upon the postwar period as influenced by nationalism and communism. China and Korea. (Pol. Sci. 11.1, 11.2) Mr. Hoag

**35.2 Governments and Politics of the Far East** Spring
Continuation of 35.1. Japan and India (Pol. Sci. 11.1, 11.2) Mr. Hoag

### Political Theory and Behavior

**38.1 Political Theory** Fall
An examination of contemporary theoretical positions in or affecting political science, followed by study of the writings of selected Greek, Roman, Christian, Jewish and Muslim political philosophers. The period covered in the historical part of the course is roughly from Plato to Machiavelli. Mr. Leng

**38.2 Political Theory** Spring
A continuation of 38.1, from Machiavelli to the present. (38.1 or permission). Mr. Leng

[43.1 Political Behavior]

[43.2 Seminar in Political Theory]

**50.1 and 50.2 Advanced Projects in Research** Fall and Spring
Staff

## PSYCHOLOGY

Associate Professor: A. H. Ewell (*chairman*); Assistant Professors: D. L. Prouty, D. E. Crowley; Lecturer: F. W. Swift

For the student who majors in psychology engagement with experimental data lays the basis for an empirically-founded and objective formulation of principles of human behavior. He may encounter the data in published research reports, in his regular laboratory work, and in connection with his own research along lines that he finds important. The relevant observations may involve human subjects or sometimes infra-human subjects for the better experimental control that they may permit. Whatever the source of his observations, the student comes to see them as products of the experiments that generated them, and thus he evaluates their importance for hypothesis or generalization.

As a psychology major the student takes a program of elective and required courses in psychology and related disciplines. By the end of his sophomore year, through work in Psychology (11.1, 11.2 and 25.2), in Mathematics, and in Biology and/or Chemistry, he has acquired familiarity with many of the data, concepts, and research procedures essential to an understanding of human behavior. During his last two years he makes use of his accumulated knowledge and skills in his deep involvement with several areas of central importance to psychology (Psychology 30.1, 31.2, 32.2, 41.1).

Students generally choose to complete as much as possible of their formal course work toward the major by the end of the junior year so that their work in psychology as seniors can be devoted to independent reading and investigation and to individual research in Psychology 50 or in an Honors Project.

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Required for a Major in Psychology: 11.1, 11.2, 25.2, 30.1, 41.1, Independent Study and the General Examination, and at least three additional one-semester courses in Psychology; Mathematics 11.1, 11.2, or 12.1, 12.2; Biology 23.2 or at least three semester courses in Biology and Chemistry. The General Examination and Independent Study Programs carry six credit hours each.

The selection of cognate courses will depend upon the student's purposes in majoring in Psychology.

**11.1 and 11.2 Fundamentals of Psychology** Fall and Spring

To acquaint students with the foundations of psychology and also to serve as basis for advanced work in the field, this course deals with the scientific study of human behavior. The lectures and discussions constitute a detailed examination of the major topics of psychology on the behavioral, cognitive, and biological levels, and explore the nature and variety of behavior with a view to providing a set of explanatory principles. Credit for Psychology 11.1 will not be given until Psychology 11.2 is satisfactorily completed. The final examination in Psychology 11.2 will cover the year's work. (Open to freshmen and sophomores without permission. Open to juniors and seniors with permission.) Staff

**25.2 Principles of Research** Spring

This course introduces the student to psychological experimentation particularly as it relates to the variables influencing human performance. The student comes to grips with problems of the design and conduct of experiments as well as the proper procedures for analyzing and reporting the experimental results. (Psych. 11.1, Math. 11.1 or 12.1, permission) 3 hrs. lecture, lab.—3 credits. Computing machine fee, $6. Mr. Ewell

**28.1 Developmental Psychology** Fall
The purpose of this course is to examine in detail the process of human development in terms of the principles and methods of psychology. The emphasis of the course is on the role of genetic and experiential interaction in the development of the individual. (Psych. 11.1 and 11.2) Mr. PROUTY

**29.1 Social Psychology** Fall
After a brief review of the implicit assumptions, both historical and contemporary about "the nature of human nature," this course develops a psychological framework for describing social phenomena in terms of the individuals involved in the situation and the general principles of psychology. Problems of language, communication, attitudes, and group dynamics are studied in detail. Basic principles are illustrated by reference to many different social phenomena. (Psych. 11.1, 11.2, and permission) Mr. SWIFT

**30.1 Psychophysics** Fall
Lectures deal with the nature, definition, and measurement of the sensory unit, the relations of stimulus parameters to this unit, and the procedures for analysis of psychophysical and other psychological data. Laboratory work includes study of classical and contemporary procedures for evaluating the sensory unit and for establishing psychophysical relationships. (Psych. 25.2, Math. 11 or 12) 3 hrs. lecture, lab.—3 credits. Laboratory fee $5. Mr. EWELL

**31.2 Experimental Psychology: Learning** Spring
The course involves a detailed examination of research in the area of learning with respect to problems of experimental design and theoretical interpretation. The topics studied include Pavlovian conditioning, operant conditioning, discrimination, transfer of training, and current research directions. The laboratory work in this course requires the student to participate in the design, carrying out, and analysis of experiments relating to the lecture topics. (Psych. 30.1) 3 hrs. lecture, lab.—3 credits. Laboratory fee $5. Mr. PROUTY

**32.2 Experimental Psychology: Sensation and Perception** Spring
The sensory and perceptual processes in humans are studied in terms of behavioral, cognitive, and physiological research findings that delineate their characteristics. Laboratory work considers quantitative, as well as qualitative, description of these processes. (Psych. 30.1) 3 hrs. lecture, lab.—3 credits. Laboratory fee $5. Mr. EWELL, Mr. CROWLEY

**33.1 Measurement of Human Performance** Fall
The course considers the problems involved in the description and measurement of human behavior. Specific tests of ability and tests of typical performance are examined as attempted solutions to these problems. The emphasis of the course is placed on the nature of measurement, the derivation and interpretation of measures, and the use of test results in understanding human behavior. (Psych 11.1 and 11.2) Mr. PROUTY

**38.2 Personality** Spring
This course emphasizes the scientific conceptualization of the unique indi-

vidual personality. Various historical and contemporary formulations are critically examined in the light of both the available experimental evidence and the criteria for acceptable hypotheses. On the basis of these considerations, the course attempts to specify appropriate approaches to, and conceptualizations of, the individual. Each student demonstrates his understanding of the field by writing a case study. (Psych. 11.1, 11.2, and permission)
Mr. SWIFT

**41.1 Physiological Psychology** Fall
Lectures deal with the ways in which underlying neurophysiological, neuroanatomical, and endocrinological processes affect behavior. In laboratory work the student learns electrode implantation and other techniques for direct study of brain-behavior relationships in living organisms. (Psych. 11.1, 11.2, and permission. Permission will be granted to students having strong backgrounds in psychology, biology, or chemistry.) 3 hrs. lecture, lab.—3 credits. Laboratory fee $10. Mr. CROWLEY, Mr. EWELL

**46.2 Psychopathology** Spring
An initial series of lectures deals with the symptomatology and nosology of mental illness. The research literature on the etiology of mental illness, and on selected topics in psychopathology (e.g., epilepsy, experimental neurosis, psychotomimetics) is reviewed and assessed by student panels or through student research papers presented to the seminar. (Psych. 11.1, 11.2, and permission) Mr. EWELL

**50.1 and 50.2 Advanced Study** Fall and Spring
A program of research arranged to meet the needs of students majoring in Psychology. STAFF

**Independent Study and General Examination**
The General Examination in Psychology covers the field of psychology rather than specific course material. During Independent Study the student prepares himself for the General Examination and will also choose one or a small number of topics to pursue deeply on his own. He will report to his fellow students several times during the year on this work.

## SOCIOLOGY-ANTHROPOLOGY

Associate Professor: N. W. OFSLAGER (*chairman*); Instructors: N. B. SCHWARTZ, (to be named)

The major in the department of Sociology-Anthropology consists of a core of course work in these two closely related disciplines which have as their common base inquiry into, and a major concern for mankind in a social milieu, yet each discipline has its own history, concepts and schools of thought. Anthropology focuses on the role of culture in human experience and sociology is concerned with the role of society in human experience. The major leads to a systematic knowledge of the theory and methodology of both society and culture, of the interrelations between society and culture, as well as to a substantial understanding of at least one of the specific areas of either sociology or anthropology.

Specifically, as a major, the student participates in a program of required and elective courses, and at the completion of two years of work in the department he will have achieved

a familiarity with the basic theories, methods and substantive data necessary for an understanding of human behavior in the sociocultural context. During the junior year the student's time will be devoted primarily to specific study in a chosen area of concentration in sociology and/or anthropology. It is expected that the student will complete as much as possible of the formal work leading to the major by the end of the junior year so that with the basic background material completed and the area specialty concentration in progress, the senior year may be devoted primarily to independent reading and research, oriented toward the preparation of a scholarly project to culminate in a thesis presented to the department prior to the General Examination. Relevant cognate courses are recommended as well, for the department major.

Required for the major in Sociology-Anthropology: Soc. 12.1, 12.2, 28.2, 34.2, 40.1, Independent Study, The General Examination, plus at least three additional one-semester courses in the department. The comprehensive examination given in the latter part of the senior year covers the cumulative material of the four years of departmental study. Commencing with the Fall term, 1967, the General Examination and the Independent Study Programs will each carry six hours credit. The selection of cognate courses will be planned with the major's advisor, taking into consideration the student's aims and purposes in the department.

Strongly recommended courses: Econ. 26.1, Pol. Sci. 43.1, Rel. 33.1, 33.2, Am. Lit. 21.1, 21.2, 46.2, Hist. 36.1.

**12.1 Introduction to Anthropology** Fall and Spring

A systematic study of culture and cultural processes. Major theoretical concepts of anthropological analysis. Application of these concepts to the comparative study of primitive societies. (Credit for either 12.1 or 12.2 is contingent upon completion of the other.) STAFF

**12.2 Introduction to Sociology** Fall and Spring

A systematic study of society and social organization. Major theoretical concepts of sociological analysis presented and applied to the basic institutions of man and areas of specialized interest. Emphasis on American society. STAFF

**23.1 Physical Anthropology** Fall

A study of human evolution from man's antecedents to the emergence of modern man. Special attention is given to a comparative analysis of the biological features which form the bases of culture, to interpretations of the fossil record, to animal and primitive human behavior, and to modern human variability. The interplay of basic cultural and biological factors in human evolution is emphasized. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. OFSLAGER

**28.1 Peasant Society and Culture** Fall

Comparative analysis of contemporary peasant societies and cultures. Examination of the social position of the peasants in the wider society of which they form a part. Study of the distinctive folk traditions and customs of peasant societies. Analysis of the impact of twentieth century political and economic changes on the cultural values and social systems of differing types of peasant societies. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. SCHWARTZ

**28.2 American Community Studies** Spring

An examination of representative communities and subcommunities, within

the framework of the folk-urban continuum. The structure of social class, status and power, and the relationship among institutions within the community. Assessment of methodological approaches. (Soc.-Anthro. 12.1, 12.2 required; 28.1 recommended) STAFF

[32.2 **Socio-cultural Change**]

[33.1 **The Family**]

**34.1 Majority-Minority Relations** Fall
Focus on the causes, purposes, and consequences of prejudice, discrimination, and segregation, especially as they are manifested in various institutional contexts. Problems of self-conception, adjustment patterns, social movements, community organization, and styles of life. Special emphasis on the Negro American. (Soc.-Anthro. 12.1, 12.2, or permission) STAFF

**34.2 Social Organization** Spring
Analysis and comparison of the organized social behavior and institutions of non-literate societies. Detailed examination of the structure, functions and development of social organization in non-literate society. Special emphasis on kinship and legal systems of representative tribal societies. (Soc.-Anthro. 12.1, and 12.2) Mr. SCHWARTZ

**36.2 American Indian** Spring
An analysis of the major culture areas of native North America. Representative groups of Indians will be discussed in terms of ecology, racial and linguistic affiliation, social organization and values orientation. The diffusion of culture traits from Meso-America, Oceana, and Asia as well as intra-diffusion will be analyzed, along with the development of institutions. (Soc.-Anthro. 12.1, 12.2, and permission) Mr. OFSLAGER

[37.1 **Public Opinion and Mass Communication**]

**37.2 Problems in Ethnography** Spring
A critical survey of outstanding ethnographic studies. An examination of the range of problems encountered and the approaches employed in anthropological field research, of study designs and of specific techniques used for collecting and analyzing data. An assessment of the relationships between ethnography, ethnology and the theory of culture. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. SCHWARTZ

**38.2 Work and Society** Spring
The study of work as a social and organizational phenomenon from two complementary points of view: (a) the sociology of occupations and professions, stressing the process of professionalization, career selection, and colleague and client relationships, and (b) industrial sociology, with emphasis on the conflict of formal and informal structures in industrial and bureaucratic organizations. STAFF

**39.2 Social Stratification** Spring
The nature and functions of stratification in American society. Theories and

evidence examined. Comparative analysis of the nature of the social classes and the influence of stratification on behavior, status, prestige, and institutionalized social roles. (Soc.-Anthro. 12.1, and 12.2 and permission; 34.2 recommended) Mr. Ofslager

**40.1 Sociological Theory** Fall
A critical study of the major writers from Comte to contemporary sociological theorists, examined in the perspective of various schools of sociological thought. (Soc.-Anthro. 12.1, 12.2, or permission) Mr. Ofslager

**40.2 Research Design** Spring
The relationship of concepts, hypotheses, and theories to general principles of research. The systematic procedures of design and measurement used by sociologists to obtain and analyze data about human groups and institutions. Several relatively simple research projects will be designed, tested, and the gathered data analyzed. (Soc.-Anthro. 12.1, 12.2, 40.1, and permission) Mr. Ofslager

**[42.1 Personality and Culture]**

**[43.2 Criminal and Delinquent Behavior]**

**44.1 Urban Sociology** Fall
A study of urban phenomena, the historical, ecological, technological, demographic, and behavioral factors. Emphasis is centered on social institutions and group and individual behavior peculiar to urban institutions concluding with a treatment of metropolitan area planning. (Soc.-Anthro. 12.1, 12.2, and permission) Mr. Ofslager

**50.1 and 50.2 Advanced Individual Study** Fall and Spring
Open to qualified students, by permission.

## TEACHER TRAINING

Director: F. G. Lane; Assistants: Mrs. R. W. Gleason, Mrs. H. E. Thurber

Students wishing to prepare themselves for teaching in grade schools or high schools may do so in one of two ways. They may participate in the Teacher Training Program at Middlebury and acquire sufficient professional education credits (usually 18) to qualify them for provisional certification in states and at the grade levels of their choice, or they may participate in fifth-year programs at Harvard, Yale, Wesleyan, or other universities. In either case they are advised to major at Middlebury in the subject they intend to teach or in one that will strengthen such teaching. There is no major in Teacher Training or Education at Middlebury.

Students who participate in the Teacher Training Program at Middlebury are prepared for teaching by concentration on liberal arts courses, which Middlebury is best prepared to offer, and by obtaining professional education credits. These latter are obtained by taking courses offered in the Teacher Training Program and by selecting academic courses which qualify for such credit in the various departments of the College.

Procedure: Register with the Director. Such registration may take place at any time during the four years at Middlebury. However, early registration (preferably during the freshman or sophomore years) facilitates programming.

Freshman or sophomore years: Recommended, Psychology 11.1 and 11.2 (prerequisite for Psychology 28.1 and 33.1). Also History 12.1 and 12.2 (includes material on history and philosophy of education).

Junior or senior years: Recommended, Teacher Training 32.1 or 33.1.

Senior year: Recommended, Teacher Training 42.1, 42.2 or 43.1, 43.2.

## ELEMENTARY

**32.1 Problems and Methods Seminar—Elementary** — Spring
(Permission) — Mrs. GLEASON

**42.1 and 42.2 Practice Teaching—Elementary** — Fall
Usually taken concurrently. (Permission) — Mrs. GLEASON

## SECONDARY

**33.1 Problems and Methods Seminar—Secondary** — Fall and Spring
(Permission) — Mr. LANE

**43.1 and 43.2 Practice Teaching—Secondary** — Fall and Spring
Usually taken concurrently. (Permission) — Mrs. THURBER

# Division of the Natural Sciences

Professor GRANT H. HARNEST, Chairman

BIOLOGY
CHEMISTRY
GEOGRAPHY, GEOLOGY
MATHEMATICS
PHYSICAL EDUCATION
PHYSICS

## BIOLOGY

Professor: H. B. HITCHCOCK (*chairman*); Associate Professor: H. E. WOODIN; Assistant Professors: O. B. REYNOLDS, A. S. GAUNT; Assistant: Mrs. H. M. MUNFORD

The Department of Biology offers students the opportunity to learn about the living world. The department approaches the subject through lectures, correlated with and illustrated by laboratory and field observations of the phenomena of life.

The general biology course presents to first-year students a broad spectrum of biological concepts, ranging from life processes at the molecular level to the interrelationships of whole organisms and their environments. The major is designed to provide a liberal background to enable one to understand the nature of the world and man's role in it, as well as to stimulate interest among students. Courses required in the major are considered essential in providing a basic foundation upon which more specialized knowledge may be built.

Biological functions are results of chemical interactions; thus knowledge of chemistry is important to a biologist. Biology majors are required to take two semesters of organic chemistry. Biology has become a science of exact measurements; majors therefore should have an understanding of mathematics. Students are encouraged to take one year of mathematics and of physics.

Master of Science in Biology. A limited number of graduate students are admitted as candidates, as indicated on page 42. Research, a thesis and oral examination are departmental requirements in this program.

The geographical location of Middlebury College with thousands of acres nearby owned by the College or within the Green Mountain National Forest provides an excellent outdoor laboratory for the ecological studies.

A separate, joint major with Chemistry has been developed to enable a student to become proficient in both fields without having to take all of the required courses prescribed for a pure major in either field.

The Department also participates in the interdisciplinary major in Environmental Studies. (See page 39)

Courses designated with an asterisk may be taken without laboratory under the following conditions: (1) Only students who have satisfied the Group C requirement are eligible. (2) The stated prerequisites for the course must be met. (3) Students majoring in Biology or jointly in Biology and other subjects may not count such courses toward the fulfillment of the major. (4) The credit value for such courses shall be 3.

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Required for a Major: 11, 20.1 or 21.1, 22, 37.2, 44 and one elective; Chemistry 11.1, 13.1, 23.2; Independent Study and General Examination.

Recommended: Mathematics 11 or 12; one year College Physics.

Required for a Joint Major in Biology and Chemistry: Biology 11, 21.1, 44.1 and one elective; Chemistry 11.1, 13.1, 17.1, 19.1, 23.2 or 36.1, and one other semester course; Mathematics 12; Physics 15; Independent Study (Chemistry first semester, Biology

second semester) and the General Examination. Joint majors in Biology and Chemistry must have a reading knowledge of French, German or Russian. This requirement may be met by the completion of the normal second-year college language course or by a reading test set by the language department.

**11.1 General Biology** Fall

A course designed to be the prerequisite for all other biology courses as well as to satisfy the science requirement for non-science majors. General principles of biology, fine cell structures, the animal kingdom including tissues, organ systems, physiology and some biochemistry are covered. 3 hrs. lecture, 3 hrs. laboratory—4 credits. Lab. fee $10. STAFF

**11.2 General Biology** Spring

Essentially a continuation of 11.1 but covering the topics of botany, ecology, genetics, embryology and evolution. 3 hrs. lecture, 3 hrs. lab.—4 credits. Lab. fee $10. (Biology 11.1) STAFF

***20.1 Invertebrate Zoology**

Lectures treat with the evolution of the invertebrate phyla as shown by their morphology and embryology. Physiology, ecology and behavior are considered when pertinent to phylogenetic status. Heavy emphasis is placed on theories concerning the origins of major divisions of the animal kingdom. In laboratory, representative specimens are examined and dissected when possible. A week-end field trip to the Maine coast is sponsored on a voluntary basis. (Biology 11) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10.

Mr. GAUNT

***21.1 Biology of Vertebrates** Fall

The evolution of organs and organ systems in Phylum Chordata, with emphasis on the higher vertebrates. Brief treatment of comparative embryology. Laboratory study of fish, salamander and cat, designed to supplement lectures and develop skill in dissection and diagrammatic representation of anatomical structures; term paper or special laboratory exercise. (Biology 11.2) 3 hrs. lecture, 6 hrs. lab.—4 credits. Lab. fee $10. Mr. HITCHCOCK

***22.1 Plant Anatomy and Taxonomy** Fall

A detailed study of cell and tissue structure is presented with an emphasis on vascular plants. A number of weeks are spent in the field collecting and classifying woody plants and later learning the techniques of herbarium mounting. A year-length project is begun in this course, to be continued in 22.2. The project is on an individual basis and must be written up as if for publication in a biological journal. One of the two laboratories assigned to this course is devoted solely to this independent work. (Biology 11) 3 hrs. lecture, 6 hrs. lab.—4 credits. Lab. fee $10. Mr. WOODIN

***22.2 Plant Morphology and Physiology** Spring

Includes a comparative survey of the structure and evolutionary relationships of the major plant phyla for half the semester. General plant physiology of the vascular groups. (See 22.1 for reference to year-length project and paper.) (Biology 22.1) 3 hrs. lecture, 6 hrs. lab.—4 credits. Lab fee $10. Mr. WOODIN

***23.2 Human Physiology** Spring

A study of the principal physiological processes of man. Muscle contraction, nerve conduction, respiration, digestion, metabolism, circulation, excretion and reproduction. Emphasis on coordination of function and on the maintenance of a constant internal environment. Laboratory stresses quantitative methods. (Biology 11, Chemistry 11 or permission) 3 hrs. lecture, 3 hrs. lab.—4 credits. Lab. fee $10. Mr. REYNOLDS

**24.2 Embryology** Spring

The development of sex cells and embryos of chordates, with emphasis on frog and chick. Laboratory study of sectioned embryos; experimental induction of ovulation in frog; preparation of stained whole mounts of chick; presentation of individual report to class. (Biology 21.1) 3 hrs. lecture, 6 hrs. lab.,—4 credits. Lab. fee $10. Mr. HITCHCOCK

**34.1 Histology and Histological Techniques** Fall

The microscopic structure of animal cells, tissues and organs is correlated with their function. Strong emphasis is placed on identification of tissues. Students are taught standard techniques for preparing tissues for study and prepare many of their own slides. Students elect individual problems. The course will prove most useful to those contemplating careers in research biology. (Permission of instructor. Biology 21.1, 24.2 recommended) 2 hrs. lect., 6 hrs. lab.—4 credits. Lab. fee $10. Given in alternate years; not to be given in 1967–68. Mr. GAUNT

**36.1 Principles of General Ecology** Fall

Deals with relationships of plants and animals to their environment and to each other. The lecture portion is devoted to theory and the laboratory periods to practical field work. Work on an independent field problem that constitutes one half of the laboratory time and a report written as if for publication are required. This course is basic for students planning to enter the practical fields of wildlife management, forestry or the various fields of conservation as well as the field of pure ecology. (2 yrs. of Biology or 1 yr. of Biology and 1 yr. of another science or permission) 3 hrs. lect., 6 hrs. lab. —4 credits. Lab. fee $10. Mr. WOODIN

***37.2 Genetics** Spring

Course material is divided into 12 formalized lectures: Historical Consideration, Mendelism, Mechanism and Proof, Morganian Genetics, Chromosomal Aberrations, Sex Determination, Extranuclear Inheritance, Population Genetics and Evolution, Mutation and Gene Action, Molecular Basis, and Developmental Genetics. In laboratory, problems in Drosophila and bacterial genetics are analyzed and formal reports including chi-square analysis are submitted. (Biology 11) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10. Mr. GAUNT

**44.1 General and Cellular Physiology** Fall

Fundamental study of cellular processes, including physiochemical characteristics, intermediary metabolism, irritability and contractility, specializa-

tion, growth and cell division. Emphasis on the animal cell and its component parts. Laboratory designed to acquaint student with diversity of quantitative techniques. (2 yrs. Biology, Chemistry 13.1, 23.2. Seniors or permission) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10. Mr. REYNOLDS

**44.2 Comparative Physiology** Spring

The principal physiological processes of animals, with emphasis on the diversity of mechanism between and within different groups of animals. Consideration of function primarily at the level of organs and organ systems. Laboratory will include individual or group projects of an investigative nature. (Biology 44.1. Seniors or permission) 3 hrs. lect., 3 hrs. lab.—4 credits. Lab. fee $10 and breakage. Mr. REYNOLDS

**50.1 and 50.2 Advanced Study** Fall and Spring

For honors students, majors and graduate students in Biology. (Permission) Fee of $10 per semester if laboratory work is involved. STAFF

**55.1 and 55.2 Research and Thesis** Fall and Spring

Open to properly qualified students. Required for all candidates for the Master's degree. Lab. fee $10. STAFF

## CHEMISTRY

Professor: G. H. HARNEST (*chairman*); Associate Professors: W. A. MOYER, E. K. ROBERTS, E. L. POOL; Assistant Professors: R. W. GLEASON, R. D. NELSON

Majors offered in the Department of Chemistry are described below. Students who plan a professional career in this field should elect the Certified Major because it provides a thorough training in the fundamentals of Chemistry and its relation to other scientific fields, medicine, engineering and related subjects. The Chemistry Department is accredited by the Committee on the Professional Training of Chemists of the American Chemical Society, and majors who wish to be accredited by the Society should have their programs approved by the Chairman of the Department early in their college career.

Required for a Major: 11.1*, 13.1, 17.1, 19.1, 23.2, 36.1, and two other semester courses in the department; Mathematics 12; Physics 15; Independent Study and the General Examination. The General Examination and Independent Study Programs will carry six credit hours each.

Required for a Certified Major: Students who wish to be certified by the American Chemical Society may complete a Major in Chemistry with the following courses: 11.1*, 13.1, 17.1, 19.1, 23.2, 36.1, 36.2, 37.2, 43.1, 49.1, and one other semester course in the department; Mathematics 12 and 21; Physics 15; Independent Study and the General Examination. A reading knowledge of German or Russian is required. This requirement may be met by satisfying in German or Russian the College language requirement for graduation. The General Examination and Independent Study Programs will carry six credit hours each. The Certified Major is designed to qualify a student for advanced work in graduate schools or for positions in the Chemical industry.

Joint Major in Biology and Chemistry. Required for a Major: Biology 11, 21.1, 44.1, and one elective; Chemistry 11.1*, 13.1, 17.1, 19.1, 23.2, 36.1, and one other semester

*Chemistry 11.1 is the normal introductory course in Chemistry. However, students may qualify for permission to omit 11.1 and begin their studies in Chemistry with 13.1, 17.1, or 19.1. Consult the Chairman of the Department.

course; Mathematics 12; Physics 15; Independent Study (Chemistry first semester and Biology second semester) and the General Examination. Joint Majors in Biology and Chemistry must have a reading knowledge of French, German, or Russian. This requirement may be met by satisfying in French, German, or Russian, the College language requirement for graduation.

Masters Degree in Chemistry. A Program leading to the Master of Science degree is offered for a limited number of qualified students holding a B.A. or B.S. degree. Refer to page 42 of this catalogue for general regulations concerning graduate work. Each candidate for the Master's Degree in Chemistry must pass qualifying examinations in the fields of Physical Chemistry, Analytical Chemistry, Organic Chemistry, and Inorganic Chemistry. In addition, each candidate must complete a Thesis Research Program and successfully defend this work in an oral examination. Programs are arranged through consultation with the Chairman of the Department.

A deposit fee to cover cost of broken apparatus is charged in each laboratory course, to be paid to the Treasurer at the beginning of each term.

**11.1 Fundamentals of Chemistry** Fall and Spring

Fundamental principles of Chemistry. Atomic theory and atomic structure, chemical bonds, stoichiometry, kinetic theory and the states of matter. Problem drill, conferences. Laboratory work deals with the testing of theories by various quantitative methods. Students with adequate secondary school preparation are encouraged to consult the Department for permission to elect Chemistry 13.1, 17.1, or 19.1 in place of this course. Two sections in Fall; one in Spring. 3 hrs. lect., 4 hrs. lab. 4 credits. Laboratory fee, $10 and breakage. Mr. MOYER, Mr. NELSON, Mr. ROBERTS

**13.1, 23.2 Organic Chemistry I and II** Fall and Spring

An introduction to the study of the compounds, both aliphatic and aromatic, of carbon. The approach is based on the properties of functional groups with considerable emphasis on electronic theory and reaction mechanisms. Laboratory exercises involving the synthesis of organic compounds, the analysis of various classes of compounds and the identification of unknowns complement the lecture material. (Chem. 11.1 or permission; Chemistry 13.1 must precede Chemistry 23.2) 3 hrs. lect., 6 hrs. lab. 4 credits. Laboratory fee $12 and breakage. Mr. HARNEST, Mr. GLEASON

**17.1 Analytical Chemistry I** Fall and Spring

Extensive treatment of mass action theory (ionic equilibrium) concerned mainly with ionization of strong and weak electrolytes, buffers, hydrolysis, solubility of difficultly soluble substances, complex formation, oxidation-reduction systems, and quantitative measurements involving these phenomena. Laboratory work is mainly titrimetric analysis with some gravimetric methods. (Chem. 11.1 or permission) 3 hrs. lect., 6 hrs. lab.—4 credits. Laboratory fee $10 and breakage. Mr. POOL

**19.1 Systematic Inorganic Chemistry** Fall and Spring

A systematic study of the elements and their compounds based on the Periodic Table. The isolation of the elements from their natural sources, and the synthesis of some important types of inorganic compounds. The properties of selected elements and their compounds are discussed in class and/or

studied in the laboratory using various analytical methods. (Chem. 11.1 or permission) 3 hrs. lect., 3 hrs. lab.—4 credits. Laboratory fee $10 and breakage. Mr. MOYER

**35.2 Physical Chemistry II** (to be replaced by 36.2 after 1966–67) Spring
This course includes a careful study of chemical thermodynamics and chemical kinetics. The laws of thermodynamics are developed and interpreted, then applied to problems in thermochemistry, chemical equilibrium, and electrochemistry. Extensive use is made of the chemical potential. The basic kinetic laws are derived and the collision and absolute rate theory are examined. (Chem. 15.1, 17.1, 19.1, 23.2; Physics 15; Mathematics 21) 3 hrs. lect., 4 hrs. lab—4 credits. Laboratory fee $10 and breakage.
Mr. ROBERTS

**36.1 Physical Chemistry I** Fall
A basic study of thermodynamics and the properties of the gaseous and liquid states. The laws of thermodynamics are developed and applied to chemical equilibria and electrochemistry. The physical properties of gases, liquids, and solutions are discussed and interpreted through thermodynamics. Chemical kinetics is treated empirically. (Chem. 17.1; Mathematics 12; Physics 15.1 or permission) 3 hrs. lect., 4 hrs. lab., 1 hr. conf.—4 credits. Laboratory fee $10 and breakage. Mr. NELSON

**36.2 Physical Chemistry II** Spring
An introduction to the Schrodinger equation is followed by a treatment of a particle in various types of potential wells. The valence bond, molecular orbital, and ligand field theories are illustrated with examples from organic and inorganic chemistry. Spectroscopy and photochemistry serve to illustrate quantum effects. The solid state and solid-liquid equilibria are discussed. Finally the kinetics of complex reactions are analyzed. (Chem. 19.1, 23.2, 36.1; Mathematics 21.1; Physics 15.2) 3 hrs. lect., 4 hrs. lab., 4 credits. Laboratory fee $10 and breakage. Mr. ROBERTS

**37.2 Analytical Chemistry II—Qualitative and Quantitative Separations** Spring
Principles and theory of separations, both qualitative and quantitative, involving chemical and physical methods: separations by precipitation, distillation, extraction, chromatography, ion exchange, and others. Instrumental methods for separation and analysis. Sampling, dissolution, errors, and atomic weight determination. Laboratory work in qualitative and quantitative inorganic analysis, selected instrumental methods, and an individual project involving separation. (Chem. 36.1, co-req. 36.2) 3 hrs. lect., 6 hrs. lab.—4 credits. Laboratory fee $10 and breakage. Mr. POOL

**42.1 Biochemistry** Spring
The study of the chemistry of carbohydrates. Digestion, absorption, and metabolism of the carbohydrates, and the enzyme systems, vitamins, and hormones involved in these processes. (Chem. 23.2, 36.1 or permission; Biology 11.2 is recommended) 3 hrs. lect.—3 credits. Offered in alternate years; not to be given in 1967–68. Mr. MOYER

[**42.2 Biochemistry**] Spring
The study of the chemistry of lipids and proteins. Digestion, absorption, and metabolism of lipids and proteins, and the enzyme systems, vitamins, and hormones involved in these processes. (Chem. 23.2, 36.1 or permission: Biology 11.2 is recommended) 3 hrs. lect.—3 credits. Offered in alternate years; to be given in 1967–68.

**43.1 Organic Chemistry III—Qualitative Organic Analysis** Fall
Methods of identification of organic compounds taking advantage of characteristic reactions of various functional groups are considered in some detail in connection with the first several laboratory assignments. Heavy reliance on modern methods of analysis, infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy will be encouraged as the course proceeds. The course culminates in the separation and identification of the components of a mixture containing three to five compounds. (Chem. 17.1, 23.2) 1 hr. lect., 6 hrs. lab.—3 credits. Laboratory fee $12 and breakage.
Mr. GLEASON

**44.1 Advanced Organic Chemistry** Spring
An introduction to physical organic chemistry in which an extensive treatment of polar displacement and elimination reactions is included. Also considered are the relationship of structure to reactivity (the Hammett equation), general and specific acid and base catalysis, the mechanism of electrophilic and nucleophilic aromatic substitution reactions. (Chem. 23.2, 36.1) 3 hrs. lect.—3 credits. Offered in alternate years; not to be given in 1967–68.
Mr. GLEASON

[**44.2 Advanced Organic Chemistry**] Spring
A study of some of the more important special topics of organic chemistry including advanced synthesis in general with specific treatment of the following: reactions of active methylene compounds; structure determination of complex natural products; peptide synthesis and sequential analysis; introduction to the steroids; selected name reactions and rearrangements. (Chem. 23.2) 3 hrs. lect.—3 credits. Offered in alternate years; to be given in 1967–68.

**45.1 Physical Chemistry III** (to be replaced by 46.1 after 1966–67) Fall
An introduction to the Schrödinger wave equation is followed by a brief discussion of the chemical bond based on the valence-bond, molecular orbital, and ligand-field theories. Examples are taken from inorganic and organic chemistry. The methods of statistical thermodynamics are outlined sufficiently so that the student can calculate equilibrium constants from molecular parameters and the appropriate partition functions. As time allows, the determination of molecular structure and configuration from spectroscopic evidence is discussed. (Chem. 35.2 or permission) 3 hrs. lect.—3 credits.
Mr. ROBERTS

[**46.1 Physical Chemistry III** (will replace 45.1 starting 1967–68)] Fall
A more detailed investigation of the interaction of matter and energy on the molecular level. The bases of statistical thermodynamics are developed and

illustrated with ideal systems and theories of chemical kinetics. An advanced study of the electromotive force and the thermodynamics of solutions follows, making extensive use of chemical potential and activity. (Chem. 36.2) 3 hrs. lect.—3 credits.

**47.2 Analytical Chemistry III** Spring

Principles and theory of separation and determination by instrumental methods. Topics include ultra-violet, visible, and infra-red spectrophotometry; refractometry; polarimetry; potentiometric titration methods; pH measurements; coulometry; polarography; conductance methods; and others. Laboratory work involves extensive investigation of selected methods of instrumental analysis. (Chem. 37.2) 2 hrs. lect., 3 hrs. lab.—3 credits. Laboratory fee $10 and breakage. Mr. NELSON

**49.1 Advanced Inorganic Chemistry** Fall

Brief historical approach to theories of atomic and molecular structures and periodic functions of properties. Atomic structure; molecular structure by valence bond and molecular orbital treatment; transition metal complexes according to valence-bond, molecular orbital, crystal field, and ligand field theories. Relations of atomic and molecular structure to chemical and physical properties. Other topics such as crystal chemistry, acid-base theories, solvent systems, and nuclear chemistry. (Chem. 15.1, 19.1, 23.2; Physics 15) 3 hrs. lect.—3 credits. The content of this course will change after 1966–67 and Chem. 36.2 will be a prerequisite. Mr. POOL

**55.1 and 55.2 Research** Fall and Spring

Open to properly qualified students. Required of all candidates for the Master's degree. Permission. Laboratory fee $12 per semester and breakage.

a. Analytical Chemistry
b. Inorganic Chemistry
c. Physical Chemistry
d. Organic and Biochemistry STAFF

**Independent Study** Fall and Spring

Required of all seniors. Breakage. STAFF

## GEOGRAPHY AND GEOLOGY

Professor: J. R. ILLICK (*chairman*); Associate Professors: V. H. MALMSTROM, B. BALDWIN; Assistant Professor: P. J. CONEY; Assistant W. D. ARMSTRONG

### Geography

Geography is concerned with the "where" and "why" of human activities. In its attempt to explain the differences which exist from place to place over the earth's surface, it collects, analyzes, and integrates data from both the physical and social sciences. It examines such physical elements as landforms, climate, soils, and vegetation and interprets them in terms of the distribution of people, their ways of making a living, and the social and political patterns they have developed. Because the interaction of man and his environment is constantly changing, geography seeks to understand how present world patterns have evolved from the past and how they might be modified further in the future.

The Department also participates in the interdisciplinary major, Environmental Studies. (See page 39)

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Required for a Major: 10.1 and 10.2, 25.1 and 25.2, 38.1, 40.1 and 40.2, and one regional course; Independent Study and the General Examination. Beginning in 1966, the General Examination, involving a senior seminar, readings, and a comprehensive examination, will be separate from Independent Study. Independent Study, which will involve a senior research project, will also carry six credit hours.

Cognate courses for a Major in Geography range over a broad field and should be selected from other departments according to one's interest in Geography, and with the approval of the adviser. Courses in the social sciences are especially recommended, as are physical geology and geomorphology.

Two years of a foreign language and a summer field camp are recommended for those applying to graduate school.

**10.1 and 10.2 World Regional Geography** Fall and Spring

A survey of the physical and cultural factors which influence the distribution of man and his activities on the surface of the earth. Regional differences will be analyzed in relation to various aspects of the natural environment and human affairs. (Geog. 10.2 must be passed before credit for 10.1 is given and cannot precede 10.1.) STAFF

**25.1 Physical Geography** Fall

A systematic examination of the elements of the physical environment. Landforms, climates, soils, vegetation, minerals and water resources will be studied by means of field trips, maps, and photo-interpretation. 3 hrs. lect., 3 hrs. lab. 4 credits. Field Trip fee, $5. (Geog. 10) Mr. ILLICK

**25.2 Economic Geography** Spring

An analysis of the origins, nature, and distribution of man's economic activities over the world. The evolution of subsistence, commercial and planned economies will be studied in a regional context. Field trips. (Geog. 10) Field Trip fee, $3. Mr. MALMSTROM

**30.1 Geography of Africa** Fall

A study of the emerging nations of Africa and the special role they play in world economic and political affairs. The geographic bases of their nationhood, their problems and outlook for the future will be assessed. (Geog. 10) Alternates with Geog. 36.1; not to be given in 1967–68. Mr. ILLICK

[**35.1 Geography of Latin America**]

A consideration of the individual countries of Middle and South America, their resources, problems, and prospects. Special attention is given to their relations with the United States and to their significance in world affairs. (Geog. 10) Alternates with Geog 37.1; to be given in 1967–68.

**35.2 Geography of Europe** Spring

A study of the economic, social and political patterns of present-day Europe. Emphasis will be placed on the distinctive personalities of the individual countries and on their role in regional and global affairs. (Geog. 10) Mr. MALMSTROM

[36.1 **Geography of Asia**]
A systematic examination of the regions and nations of Asia (excluding the Soviet Union), with special emphasis on their problems and potentialities as they relate to world economic and political patterns. (Geog. 10) Alternates with Geog. 30.1; to be given in 1967–68.

**36.2 Geography of Anglo-America** Spring
A regional analysis of the United States and Canada, giving special attention to the physical, historical, and economic factors which contribute to areal differentiation. (Geog. 10) Mr. ILLICK

**37.1 Geography of the Soviet Union** Fall
An intensive systematic and regional analysis of the world's largest country. The problems and potentialities of the Soviet Union will be critically evaluated in terms of the challenge it poses for world leadership. (Geog. 10) Alternates with Geog. 35.1; not to be given in 1967–68. Mr. MALMSTROM

**38.1 Research in Geography** Fall
A course designed to provide the major in geography with systematic training in the collection, analysis, and presentation of geographic data. Observation and measurement in the field will be complemented by statistical, cartographic, and air photo interpretation in the laboratory. Field Trip fee $5. (Geog. 10) STAFF

**40.1 Political Geography** Fall
The study of the state as a geographic phenomenon, with emphasis on the spatial, cultural, and economic factors that influence its emergence, growth, and relationships with other states. The present world situation will be analyzed in terms of geopolitical principles. (Geog. 10) Mr. MALMSTROM

**40.2 Cartography** Spring
An introduction to the compilation, design, and construction of maps. Training is given in the techniques of preparing maps from field surveys, aerial photographs, library, and statistical sources, and in the evaluation and construction of map projections. Special attention will be given to representing the third dimension through block diagrams and models. Two hours of lecture and one laboratory a week. (Limited to 20 students) (Geog. 10) Mr. ILLICK

**50.1 Individual Research** Fall and Spring
A course arranged to fulfill the research needs of students majoring in Geography. STAFF

## Geology

The environs of Middlebury College afford an excellent introduction to the discipline of earth science, for the geology of Vermont has become a classic area for the study of the geology of mountain systems. The geology program takes advantage of this setting by stressing field work and by relating all geologic processes and their results to the origin and evolution of mountain systems.

The eight semester-courses in geology are arranged in four sets. Physical and Historical Geology (Geology 11, which fulfills the Group C requirement) introduces the terminology,

processes, and materials of geology, woven in the framework of the tectonic cycle. Geology 21.1 and 22.2 begin with techniques for the study of minerals, particularly optical mineralogy, and apply these to the study of igneous and metamorphic rocks. Geology 23.1 and 24.2 are concerned with the study of sedimentary rocks and stratigraphic paleontology. Geology 33.1 and 34.2 are concerned with structural deformation and the development of landscape in all types of geologic terrane. Independent work at the junior level can be elected as Geology 50.

The Senior Program has three parts. Four credits are assigned to the General Examination, and eight credits are assigned to a twofold Independent Study. One part of Independent Study is a field problem, which is chosen within the framework of long-term departmental research programs. The other part is a seminar in regional tectonics, in which each senior analyzes the tectonic features of a region, and synthesizes the data with a tectonic map and report.

The Department also participates in the interdisciplinary major, Environmental Studies. (See page 39)

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Required for a Major: 11, 21.1, 22.2, 23.1, 24.2, 33.1, 34.2, Independent Study and the General Examination. A year of Mathematics, two semester-courses in Chemistry, and a year of Physics.

Students planning on graduate school and a professional career in the earth sciences should take Physics 15, Mathematics 12, and Chemistry 36.1. They should attend a summer field camp in geology. The student's interests will indicate additional courses in Mathematics, Physics, Chemistry, or Biology, which may be substituted with permission for Geology 24.2 and 34.2. A reading knowledge of German, and French or Russian, is recommended. Students planning on teaching earth science in secondary school may modify this program.

**11.1 Principles of Geology** Fall

Geologic processes that are responsible for different types of rocks, deformation, and landscape, viewed in terms of the tectonic evolution of mountain systems. Laboratory: field problems, description of rocks, structural analysis of topographic and geologic maps. 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. STAFF

**11.2 Principles of Geology** Spring

The interior of the earth and the origin of the crust, in the light of geophysical data and the nature of mountain systems; evolution of the Appalachian and Cordilleran mountain systems of North America. Laboratory: compilation of paleogeographic maps; regional synthesis and term paper, based on analysis of detailed geologic maps; field problems. (Geology 11.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. STAFF

**21.1 Optical and Theoretical Mineralogy** Fall

Theory of polarized light in anisotropic minerals; crystal chemistry and phase equilibria of rock-forming minerals. Laboratory: crystallography, hand-specimen identification of rock-forming minerals, identification of minerals in fragments and thin section, using petrographic microscope. (Geology 11.1 or Chemistry 11.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Laboratory fee $6. STAFF

**22.2 Igneous and Metamorphic Petrology** Spring

The classification, composition, texture, and origin of igneous and meta-

morphic rocks. Laboratory: thin-section and hand-specimen description of these rocks; field problems. (Geology 21.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. STAFF

**23.1 Sedimentary Petrology** Fall
Textures, mineralogy, and primary structures of sedimentary rocks; geochemistry and sedimentary processes; environments of deposition and tectonic associations of sediments. Laboratory: field problems; techniques for study of sedimentary materials; thin-section and hand-specimen description of sedimentary rocks. (Geology 11.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. Mr. BALDWIN

**24.2 Stratigraphy and Paleontology** Spring
Terminology, classification, evolution, and environmental significance of important fossil invertebrate groups; principles of stratigraphic analysis. Laboratory: description and identification of important fossil groups; compilation of paleogeographic-paleotectonic maps; field problems. (Geology 23.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. Mr. BALDWIN

[**33.1 Structural Geology**]
Geometric, kinematic, and dynamic analysis of deformational structure in sedimentary, metamorphic, and igneous terrane; introduction to rock mechanics; regional tectonics. Laboratory: quantitative analysis and interpretation of deformation, as shown on topographic-geologic maps and aerial photographs; detailed mapping and interpretation of complex structure in the field. (Geology 11.1 and permission) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. To be offered in 1967–68.

[**34.2 Geomorphology**]
An analysis and interpretation of landscape, including quantitative studies of slope as developed under different controls of process, structure, climate, and stage of development. Particular attention paid to fluvial and glacial processes, and to relief that is characteristic of mountainous terrain. Laboratory: quantitative analysis and interpretation of landscape as shown on topographic-geologic maps and aerial photographs; detailed mapping of geomorphology in the field. (Geology 11.1 or Geography 25.1) 3 hrs. lecture, 3 hrs. lab. 4 credits. Field trip fee $6. To be offered in 1967–68.

**50.1 and 50.2 Student Research**
Independent laboratory or field project at sophomore or junior level. All research must be accompanied by a report, due at end of 12th week. STAFF

**Independent Study and General Examination**
In the Senior Program, 4 credits are assigned to General Examination. Eight credits are assigned to the twofold Independent Study. One part of this is a field problem selected in the framework of a long-term departmental research program in structure, stratigraphy, or petrology. The other part is a seminar in tectonic analysis and synthesis of a selected region. The work for each part is to be presented as a written report.

## MATHEMATICS

Professors: *D. H. Ballou (*chairman*), †J. G. Bowker, P. W. Carruth; Assistant Professors: R. R. Bielli, P. K. Hooper, B. B. Peterson; Lecturer: F. G. Lane

The Major includes work in analysis through the calculus, advanced calculus, and differential equations. Modern algebra is introduced in a course in Linear Algebra. Further topics in algebra are included in the unit of Independent Study in the senior year, as are also selected topics from number theory and modern geometry. Other courses provide an introduction to the fields of probability and statistics, to topology, and to the use of digital computers. Opportunity for further work in algebra, number theory, topology, or real or complex analysis is afforded through individual study in 50 projects. Advanced placement is offered freshmen whose secondary training indicates they can successfully take the sophomore course.

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Required for the Major: 12.1, 12.2, 21.1, 21.2, 34.1, 34.2, 43.1, 43.2, one other course in the Department or Physics 47.1, 47.2; Physics 15.1, 15.2; Independent Study, and the General Examination.

**11.1 Introduction to Mathematical Analysis** Fall

Elements of mathematical analysis; designed for students who have not had trigonometry in secondary school and who wish an introduction to the calculus. The trigonometric functions of angles and of real numbers, identities, equations, and graphs; the straight line, circle, and properties of curves; the derivative, differentiation of algebraic functions, applications; the integral, area under a curve. Staff

**11.2 Introduction to Finite Mathematics** Spring

Selected topics from areas of finite mathematics; completes a year of college mathematics for students electing Mathematics 11.1 the first semester. Elements of mathematical logic and of the theory of sets; partitions, binomial coefficients; introduction to probability theory, conditional probability, stochastic processes; matrices, solution of linear equations. Staff

**12.1 Mathematical Analysis—I** Fall

Introductory analytic geometry and calculus; designed for students with four years of secondary school mathematics. Analytic geometry of the line and conic sections; the differential calculus of algebraic functions and applications; the indefinite and definite integral, area under a curve, volumes of revolution. Staff

**12.2 Mathematical Analysis—II** Fall and Spring

A continuation of Mathematics 12.1; may be elected by freshmen who have had an introduction to analytic geometry and calculus in secondary school. Applications of integration to length of arc, surface of revolution, pressure, and work; the calculus of the elementary transcendental functions; hyperbolic functions; polar coordinates; determinants. (Math. 12.1 or permission) Staff

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*On leave 1966–67
†Acting Chairman 1966–67

**21.1 Mathematical Analysis—III** Fall and Spring
The calculus of functions of more than one variable. Introductory vector analysis, analytic geometry of three dimensions, partial differentiation, multiple integration and applications. (Math. 12.2 or permission) STAFF

**21.2 Mathematical Analysis—IV** Spring
Infinite series and an introduction to ordinary differential equations. Convergence of numerical series; Maclaurin and Taylor series; first and second order differential equations, linear differential equations with constant coefficients, applications. (Math. 12.2 or 21.1) STAFF

[**22.2 Mathematics of Finance**]

[**32.2 Abstract Algebra**]
An introduction to the study of groups, rings, and fields. Algebraic structure; transformations and permutations, cosets and quotient groups; ideals, quotient rings; field characteristics, extension fields. (Math. 21.2 or permission)

**34.1 Differential Equations** Fall
A treatment of ordinary differential equations including types frequently encountered in scientific applications. First and second order equations, linear equations with constant coefficients, Laplace transforms, existence theorems, approximation methods, systems of equations. (Math. 21.2) Mr. PETERSON

**34.2 Linear Algebra** Spring
Topics from modern linear algebra including the algebra of matrices, determinants, rank and equivalence of matrices, linear dependence, systems of linear equations, vector spaces and linear transformations. (Math. 21.2) Mr. PETERSON

**35.1 Probability** Fall
An introduction to the concepts of probability, mostly in finite sample spaces. Discrete probability distributions; independent events, conditional probability, Bayes' Theorem; expectation, variance, covariance and correlation; joint probability distributions; Chebyshev's Theorem; Bernoulli trials; applications. (Math. 12.2 or permission) Mr. LANE

**35.2 Statistics** Spring
An introduction to the mathematical concepts and methods used in the statistical analysis of data, mostly with continuous random variables. Moments; convolutions and convolution integrals; functions of random variables; sampling distributions (chi square, F and t distributions); properties of estimators; confidence intervals; tests of hypotheses, Neyman-Pearson lemma, method of maximum likelihood; regression and correlation; applications. (Math. 35.1) Calculating machine fee, $6.00. Mr. LANE

**38.1 Introduction to Digital Computers** Fall
An introduction to digital computers and computer languages. The organiza-

tion of electronic digital computers; programming in FORTRAN and other computer languages; applications in numerical analysis. Fee $20. (Math. 21.2 and permission. Limited to 20 students) Mr. BALLOU

**43.1 and 43.2 Advanced Calculus** Fall and Spring
Further topics in the calculus and real analysis. Fundamental concepts of real function theory, divergence and curl, line integals, Green's theorem, the Stieltjes integral, infinite series, power series, Fourier series, improper integrals. (Math. 34.2 or permission) Mr. BIELLI

**44.1 Elementary Topology** Fall
An introduction to the concepts of topology. Theory of sets, topology of the real line, continuous functions and homeomorphisms, compactness, connectedness, metric and function spaces, selected topics from the topology of Euclidean space. (Math. 21.2 or permission) Mr. PETERSON

**44.2 Complex Analysis** Spring
An introduction to functions of a complex variable. Mappings of the complex plane, analytic functions, Cauchy-Integral Theorem, Theorems of Morera and Liouville, Taylor's and Laurent's series, calculus of residues. (Math. 21.2 or permission) Mr. BIELLI

**50.1 and 50.2 Advanced Study** Fall and Spring
Individual study for qualified students in more advanced topics in algebra, number theory, real or complex analysis, topology. Particularly adapted for those who enter with advanced standing. (Permission) STAFF

**Independent Study**
The required program of Independent Study includes the development of the number system, both historically and logically; selected topics from modern algebra and number theory; the foundations of geometry; selected topics from projective geometry; readings in the history of mathematics.

## PHYSICAL EDUCATION (MEN)

Professors: J. J. KELLY, (*chairman*), W. J. NELSON; Assistant Professors: R. R. SHEEHAN, E. W. MACKEY, J. J. MORRONE, Jr., W. FORBES; Instructor: J. G. ALAIMO

Each man is given a yearly medical examination, and periodic check-ups are made when necessary. All physically fit freshmen and sophomores are required to participate in organized activities at least two periods a week. Four terms of physical education are required for graduation. No academic credit is given for 11.1, 11.2, 21.1, 21.2.

**11.1 and 11.2 Physical Training (Instruction)** Fall and Spring
Instruction in rules and techniques in team and individual sports. Lacrosse, touch-football, volleyball, basketball, trampoline, swimming, badminton, soccer, tennis, golf, softball, skiing and skating. Squad members of freshman sports reporting regularly are excused from class for season. Required of freshmen. STAFF

**21.1 and 21.2 Physical Training (Activity)** Fall and Spring
Individual exercise. Individual sports. Weight lifting, tennis, golf, swimming, skiing, skating, badminton, bowling, Emphasis placed on carry-over sports and games. Team games in intramural athletics. Required of sophomores.
STAFF

**33.1 Safety in Physical Education** Fall
Safety factors; schools, communities, industry, highways, physical education, recreation and sports. Liabilities, defenses, insurances. Not to be offered in 1967–68 (Permission) Mr. KELLY

**33.2 Minor Sports** Spring
Fundamentals, rules and techniques of running a complete high school sports program. Schedules, officials, tournaments. Not to be offered in 1967–68. (Permission) Mr. KELLY

[**34.1 Methods and Principles**]
Comparison of U.S. physical education with training in other countries. Calesthenics and combative exercises. (Permission)

[**34.2 Organization of Play**]
The world history of physical education with emphasis on the influence of climate, religion and the military. Physical Education in the U.S. Mass athletics; youth fitness. Games of low organization. (Permission)

## PHYSICAL EDUCATION (WOMEN)

Associate Professor: M. E. LICK (*chairman*); Assistant Professors: J.L. TOWNE, J. A. DITTMER (*Visiting*); Instructor: M. A. COOMBS; Visiting Lecturer: Mrs. J. G. NEWMAN

The Department of Physical Education for Women provides a two-year instructional program in physical education which is required of all freshmen and sophomore women. Physical Education 15.1, 15.2, 25.1, and 25.2 are required for graduation but carry no academic credit. A yearly medical examination is required of each woman participating in departmental programs. All women are required to buy the standard gym outfit, costing approximately $10.00.

The physical education program is planned to promote women's competence, interest, and participation in physical activities both during and after the college years. Women select their courses from among the many course offerings in each of the five seasons of Fall, Winter I, Winter II, Winter III, and Spring. Most of the courses are offered in beginning, intermediate, and advanced classification sections to recognize and promote student achievement levels. Instruction is given in the following activities in appropriate seasons: archery, badminton, basketball, body mechanics, bowling, conditioning exercises, field hockey, golf, horseback riding, ice skating, lacrosse, modern dance, skiing, softball, swimming, synchronized swimming, tennis, volleyball, and American Red Cross courses in Senior Life Saving and Water Safety instruction.

**15.1 and 15.2 Physical Education** Fall and Spring
Elective program in seasonal sports, swimming, conditioning, body mechanics, and dance. Required of freshmen. STAFF

**25.1 and 25.2 Physical Education** Fall and Spring
Elective program in seasonal sports, swimming, conditioning, body mechanics, and dance. Required of sophomores. STAFF

## PHYSICS

Professors: B. F. Wissler (*chairman*), C-Y. Chih; Assistant Professor: R. G. Cornwell; Assistant: J. Nash.

The course offerings in the Department of Physics are designed to fill the needs of a liberal arts curriculum. The offerings are suitable for three categories of students: (1) Students who have no intention to specialize in science, but have an interest in science; (2) Students who desire a basic introduction to physics as an adjunct to a major in another science; and (3) Students who wish to major in physics, either as an end in itself, or as preparation for graduate study in physics. Students in category (3) should begin their study of physics in their freshman year with Physics 15 (General Physics). In very exceptional cases, however, entering students with excellent secondary school training may, with the permission of the chairman of the physics department, be permitted to enroll in Physics 22.1 (Atomic Physics).

Physics 11 (Introductory Physics) is designed for students in category (1) above. It is a self-contained course which provides a broad insight into the field of physics and an understanding of how a natural scientist works. Physics 11 provides non-scientists with a background in science which is essential for liberal arts students. Physics 33.2 (Astronomy) may also be elected by students in category (1).

Physics 15 (General Physics) and Physics 22.1 (Atomic Physics) are designed as a three-semester sequence of courses covering at an elementary level the complete spectrum of general physics from Newton to the present. These courses are essential to students in both categories (2) and (3). Students in category (2) may wish to take further physics courses according to their individual interests.

Students intending to major in physics (category (3) above) will find that the department offers a full complement of both theoretical and experimental courses. The basic core curriculum, required of all majors, includes a year each of General Physics (this may be omitted in very exceptional cases), mechanics, electricity and magnetism, and contemporary physics. In addition, there are five other semester courses, of which the student is to select at least two. In this area the physics major may choose subjects in which he is most interested; certain courses emphasize the experimental aspects of physics, others emphasize the theoretical aspects. In their senior year two semesters of Independent Study culminating in the Comprehensive Examination are required of all majors.

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Required for the Major: 15.1, 15.2, 22.1, 27.2, 32.1, 36.2, 37.2, 44.1 and two semester-courses chosen from 31.2, 33.2, 43.1, 45.1, and 46.2; Independent Study; and Mathematics 21.1, 21.2, and 34.1. Two semesters of Chemistry are also recommended.

**11.1 and 11.2 Introductory Physics** Fall and Spring

This course is designed to give an understanding of the subject matter, methods, purposes, and philosophy of physics as an example of a physical science. The complementary nature of experiment and theory in the building of a science is emphasized. Topics to be covered include force and motion, molecular theory, electrical energy, atomic physics, and several aspects of modern physics. This course will permit the student to better understand contemporary developments in physics, as well as to place such developments in historical perspective. Laboratory experiments are treated as investigations, rather than as routine technical measurements. This course is not designed for science majors. No calculus is required. Three hours of lecture and one three-hour laboratory—4 credits, Lab. fee $5.00 per semester.

Mr. Cornwell, Mr. Nash

**15.1 and 15.2 General Physics** Fall and Spring

A course, including laboratory, which comprises a study of mechanics, heat,

waves and oscillatory motion including optics and acoustics, electricity and magnetism, and modern physics. A sound background in algebra and geometry is supposed and Mathematics 12 or 21 is suggested as a concurrent course. 3 hours lecture, 3 hours laboratory—4 credits, Lab. fee, $5.00.
Mr. WISSLER, Mr. NASH

**22.1 Atomic Physics** Fall
Special relativity, photoelectric effect, Compton scattering, pair production and annihilation; Bohr theory of hydrogen atom, vector model, optical spectra, X-rays; radioactivity, nuclear reactions, fission and fusion, elementary particles. (Physics 15.2) Three hours of lecture and one three-hour laboratory. 4 credits. Lab. fee $5.00 Mr. CHIH, Mr. CORNWELL

**27.2 Intermediate Mechanics** Spring
Principles of Newtonian Mechanics; vector algebra and calculus; motion of a particle in two and three dimensions; statics and dynamics of a system of particles and of rigid bodies; moving an rotating coordinate systems; potential theory; an introduction to the mechanics of continuous media. (Physics 15.2, Mathematics 21.1) Three hours of lecture. Mr. CORNWELL

**[31.2 Physical Optics]** Spring
An intermediate course using the principle of superposition to study interference, diffraction, and polarization in waves. Phase and group velocity, absorption and dispersion are treated. (Physics 15.2, Mathematics 21.2 and permission) 3 hours lecture, 3 hours laboratory—4 credits, Lab. fee $5.00. Offered in alternate years; not to be given in 1966–67.

**32.1 Electricity and Magnetism** Fall
Electrostatic field; conductors; dielectric theory; simple d.c. and a.c. circuits; Thevenin's theorem; magnetic field; electromagnetic induction; magnetic materials; Maxwell's equations. (Physics 15.2, Math 21.2) Three hours of lecture and one three-hour laboratory—4 credits. Lab. fee $5.00.
Mr. CHIH

**33.2 Astronomy** Spring
An introduction to astronomy for students with a background of college mathematics and physics. The solar system, motions of the heavenly bodies, coordinate systems and the information gathered from the analysis of light are studied. The college observatory is used for observational work. (Physics 11.2 or 15.2) 3 hours lecture, 3 hour laboratory—3 credits. Lab. fee $5.00. Offered in alternate years; will be given in 1966–67. Mr. WISSLER

**36.2 Electromagnetic Theory** Spring
Maxwell's equations; electromagnetic waves in free space and in media; reflection and refraction; wave guides; electromagnetic radiation; Lienard-Wiechert potentials; covariant formulation. (Physics 32.1) Three hours of lecture. Mr. CHIH

**37.2 Advanced Mechanics** Spring
Kinematics and dynamics in inertial and accelerated frames; variational

principles; Lagrange's equations for holonomic and non-holonomic systems; Hamilton's canonical equations; normal coordinates; angle and action variables; Hamilton-Jacobi equation. Mr. CHIH

**43.1 Thermodynamics—Kinetic Theory—Statistical Mechanics** Fall
The first, second, and third law of thermodynamics; thermodynamic potentials; velocity distributions; transport phenomena; fluctuations; ensembles; Liouville's theorem; Maxwell-Boltzmann, Bose-Einstein, Fermi-Dirac statistics. (Physics 15.2 and Math 21.2) Three hours of lecture. Offered in alternate years; will be given in 1966–67. Mr. CHIH

**44.1 Modern Physics** Fall
An introduction to modern physics, providing a framework for further study in several fields. Topics to be covered include Special Relativity, Quantum Mechanics (with applications), Atomic Structure and Atomic Spectroscopy, and Molecular Properties of Matter. This course is well suited to students majoring in all of the physical sciences. The laboratory experiments will familiarize the student with the tools of modern physics as well as illustrate the subject matter of the course. (Physics 15.2, Math. 21.2, or special permission) Three hours of lecture and one three-hour laboratory—4 credits. Lab. fee $5.00. Mr. CORNWELL

**[45.1 Quantum Mechanics]** Fall
Operators, eigenfunctions, eigenvectors, and eigenvalues; Schroedinger's equation and matrix representations; perturbation and variation method; applications to atomic, nuclear, and molecular systems. (Physics 15.2 and Math 21.2) 3 credits. Offered in alternate years; not to be given in 1966–67.

**46.2 Advanced Modern Physics** Spring
A continuation of Physics 44.1. Topics to be covered include Solid State, Nuclear, and Elementary Particle Physics, and an introduction to modern cosmology. In the laboratory each student will pursue one extended experimental investigation in modern physics during the semester. This will involve all phases of experimental work, including the design and construction of the apparatus as well as the usual recording of the measurements and interpretation of the results. (Physics 44.1, Math 21.2, or special permission) Three hours of lecture and one three hour laboratory—4 credits. Lab. fee $5.00. Mr. CORNWELL

# Department of Military Science

Professor: Lt. Col. Alfred Phillips (*chairman*); Assistant Professors: Major C. P. Spalding, Capt. R. I. Edwards, Capt. F. M. A. Collins, Capt. R. T. Finkle; Assistants: Sergeant Major K. E. McCreary, Sergeant First Class F. Baldwin, Jr., Specialist-5 C. E. McClain

The objective of a senior ROTC unit, organized under the provisions of the National Defense Act of 1916 and amendments thereto, is to qualify students for a commission in the Regular Army and the Army Reserve in assigned branches of the Army. A two-year basic course is offered to freshmen. A two-year advanced course is offered to juniors who either successfully complete the basic course, served on active duty in the Armed Forces for one year, or successfully complete a six-week basic summer camp prior to their junior year of college.

## The Basic Course

A two-year basic course is available to all male students who voluntarily enroll in the freshman year. Draft deferments are provided members of the basic course.

a. Veterans

(1) A student who has served on active duty in the Armed Forces for six months will be excused from the Freshman Basic Course.

(2) A student who has served on active duty in the Armed Forces for one year will be excused from the Basic Course as a prerequisite for the Advanced Course.

b. Former ROTC students

(1) A student who has successfully completed three or more years of the Junior ROTC program at an accredited ROTC institution will be admitted to the Sophomore Basic Course upon presentation of a military training certificate.

(2) A student who has successfully completed the first year of the ROTC Basic Course at another accredited ROTC institution will be admitted to Sophomore Basic Course.

The class meets three periods each week, with the minimum total of 90 hours in each academic year. Uniforms, arms, and equipment are furnished by the Department of the Army at no cost to the student.

**11.1 and 11.2 Freshman Basic (Military Science I)** Fall and Spring
Organization of the Army and ROTC; Role of the Army and National Security; Historical survey of the evolution of principles and fundamentals of modern warfare; Military doctrine and application; School of the soldier and exercise of command. Two hours of class and one hour of Leadership Laboratory. One credit per semester.

**21.1 and 21.2 Sophomore Basic (Military Science II)** Fall and Spring
An appraisal of military techniques by examining selected American military

operations; An introduction to the principles of map and aerial photograph reading and the fundamentals of small unit tactics; School of the soldier and exercise of command. Two hours of class and one hour of Leadership Laboratory. One credit per semester. (MS 11.1 and 11.2 or equivalent service credit)

### The Advanced Course

This is an elective two-year course and carries three credit hours each semester or twelve hours for the four semesters. All four semesters must be successfully completed before credits are awarded except for special cases which will be ruled on by proper college officials. Members of the advanced course are selected by the President of the College and the PMS from the students in the sophomore class who either successfully complete the basic course, or a six-week basic summer camp prior to their junior year of college. Draft deferment will be authorized for those who qualify.

Students enrolled in this course will receive a retainer allowance of $40 per month. The class meets five periods per week with a minimum of one hundred fifty hours per academic year. Each unexcused absence causes a forfeiture of two days pay.

Advanced Course students wear a regulation Army Officer uniform which is retained by the student upon his graduation. The Government pays $100.00 toward the cost of the uniform and the remaining amount of approximately $30.00 is paid by the student.

Attendance at one summer camp of six weeks duration is mandatory. During such attendance the student is paid $120.60 per month. Mileage rate is paid from home to camp and return. Students will attend camp between the junior and senior academic years, but deferment from the junior to the senior year may be made, for a cogent reason, when approved by the Professor of Military Science.

The Department participates in the ROTC Flight Program. This program is available to selected cadets in their senior year at no cost to the student. The student is given thirty-five hours of ground school and thirty-eight hours of flight instruction. Successful completion of this program qualifies the individual for a Federal Aviation Agency Private Pilot's License.

On successful completion of the Advanced Course, the student is commissioned as a Second Lieutenant, U. S. Army Reserve. Outstanding military students are eligible for direct commission in the Regular Army upon graduation. Graduates then report to active duty within the first twelve months following their commissioning; however, those who desire to attend graduate school may be deferred from active duty for the duration of their graduate study. The ROTC student is given a general military science course which does not emphasize any one branch or service. Prior to commissioning, assignment to a branch will be made based upon the needs of the Service and the individual's desires and capabilities. Training is directed primarily toward a commission in one of the combat arms—Infantry, Artillery, Armor, Signal

Corps, or Engineer Corps. Students whose academic program has particularly qualified them may be offered a commission in one of the technical services—Chemical Corps, Ordnance, Finance, and others.

Students who enroll in the Advanced Course are required to complete both years, and when tendered a commission, are required to accept it, as a prerequisite for graduation from the College.

**31.1 and 31.2 First Year Advanced Course (Military Science III)**
Fall and Spring

Leadership; Military Teaching Methods; Organization, function, and mission of the Arms and Services; Intermediate Tactics and Communications; School of the soldier and exercise of command. Four hours of class, one hour of Leadership Laboratory. Three credits per semester. (MS 21.1 and 21.2 or equivalent service credit)

**41.1 and 41.2 Second Year Advanced Course (Military Science IV)**
Fall and Spring

Logistics; Operations; Advanced Tactics; Military Administration; Military Law; Personnel Management; Service Orientation; School of the soldier and exercise of command. Four hours of class, one hour of Leadership Laboratory. Three credits per semester. (MS 31.1 and 31.2)

# College Regulations

The college furnishes each student with a pamphlet of regulations containing detailed information as to enrollment, attendance, scholarship, examinations, athletics, and student activities. All students are responsible for a thorough knowledge of and compliance with these regulations.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, without assigning any further reason therefore. In such cases, the fees which are due or which may have been paid in advance will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

**Course Changes.** No change in studies is allowed during the first week of the classroom work except by the permission of the student's adviser. During the second week of classroom work a change may be made only with the permission of the adviser, Chief Adviser and the instructor involved and the payment of a fee of $5. After the second week of classroom work no change may be made except within a department and upon the initiative of the instructor. No refund of fees for extra courses or for the use of laboratories is allowed after the second full week of the term.

**Grades.** Reports of standing are made to the Registrar by the instructors at the end of each semester. Upperclassmen obtain final grades directly from the Registrar's Office; freshmen obtain them from their advisers. Faculty members do not give out final course grades.

Students are responsible for keeping parents correctly and currently informed of their standing and progress in college. Final grades, mid-semester grades of freshmen, second course warnings, and notices of academic probation are sent to parents; other reports of class standing are sent to parents by request of a faculty member to the Dean.

The Dean of Men, or the Dean of Women, with the Chief Adviser will consider any special curricular problems of veterans and grant waivers to the usual requirements when circumstances involve such factors as health, extended interruption of education, and family responsibilities.

"Successful completion of a year" for draft board certification is defined as "approved for continuance in college."

**Transfer of Credit.** In order to transfer credit for work done at another recognized educational institution, a student must submit an official transcript. A grade of 70 or above, on a scale comparable to that in use at Middlebury, must have been attained in each course submitted for credit. Each case will be considered individually on its own merits, and must receive the approval of the chairman of the student's major department, the Chief Adviser, and the Dean. Whenever possible, the student should

secure advance permission to attempt such work at another institution. Transfer of credit forms are available at the Deans' offices. All students transferring from other institutions are informed officially of their class standing and the amount of credit allotted not later than the end of their second month at Middlebury.

**Failure, Probation, Warning and Readmission.** The final evaluation of a freshman's work is normally postponed until the end of the college year; however, the academic standing of all freshmen is reviewed at the end of the first semester, and freshmen who have not demonstrated the ability and incentive to carry on college work may be asked to withdraw. Any freshman who receives three failing grades at the end of the first semester is dropped from college.

At the end of any semester (after the first semester of the freshman year), a student receiving failing grades in two courses is dropped from college. At the end of any semester (after the first semester of the freshman year), a student receiving three grades below 70 is placed on academic probation for the following semester, at the end of which all grades but one must be 70 or over and that one not below 60 if the student is to remain in college. No transfer of credits will affect a student's probationary status.

At any time when a student is failing a course, consistently receiving grades below 70, or in any way neglecting the obligations of a course, he is placed on warning for a minimum of four weeks and may take no more unexcused absences in the course for that period. The penalty for taking such an unexcused absence is loss of one-half credit. At the end of the four-week period he may be taken off warning by the Dean if the instructor certifies that his work has improved sufficiently to warrant this action.

A student who is failing at the same time in three courses is dropped from college if it is the consensus of his instructors and the Dean that his failure is due to lack of application or to negligent attitude.

A student dropped for academic failure will not be readmitted except by special action of the Administration Committee. Readmission is a special privilege, not a right. The Committee will take favorable action only when it is satisfied that the factors which led to failure have been rectified and that the student has both ample motivation and capacity to earn his degree. Mere lapse of time is not sufficient basis for readmission. The burden of proof of motivation and capacity rests with the student. The student is encouraged to enroll at another accredited institution and to achieve a good record there. In some cases, military service or employment related to his interests may be considered as evidence.

Application for readmission is made to the Administration Committee through the Deans of Students. Any student readmitted will be on probation for the first semester following his return and, if dropped a second time, will not be readmitted. A student dropped at mid-years may not be considered for readmission until the following September; a student dropped in June may not be considered for readmission until one academic year has elapsed.

**Extracurricular Activities.** Middlebury College recognizes the value of extracurricular activities, and students are encouraged to participate in cultural, social, and athletic functions outside of scheduled class work, but participation in such events should not be at the expense of curricular obligations.

**Attendance.** In order to achieve the levels of scholarship which are the objective of the students and of the College, students are advised to attend all scheduled meetings of their classes. Since the seriousness of absence varies among the courses, instructors announce their attendance policies. Students on the Dean's List, however, are offered the prerogative of voluntary attendance, though they must be present for all pre-announced examinations and may, at the discretion of the instructor, be required to submit promptly all written requirements of the course. Whenever, in the opinion of the instructor, a student's work in a course is being impaired by non-attendance, the Dean is informed and the student must comply with the instructor's requirements for completing the work missed. For students not on the Dean's List, instructors specify the conditions under which work may be made up after a necessary absence. When an absence has not been justified, however, the instructor has no responsibility for aiding the student in making up the work.

When a necessary absence is taken in any course, the student is advised to prepare an "Explanation of Absence" form in the Dean's Office (in the Nurse's Office if illness is the cause) and to submit the form to the instructor. Absences are not excused by the Dean or Nurse prior to a student's being placed on warning, except for a necessary absence from a pre-announced examination, or for an absence due to an emergency, or on the two days preceding or following a college recess. The explanations are for information only. The Dean's Office periodically submits to the faculty the names of students who are to be absent while participating in approved extracurricular activities.

On the last two days of classes preceding a college recess, or on the first two days of classes following a college recess, absences may be excused only for emergencies. Excuses are not granted for travel time, vacation employment, transportation arrangements or appointments away from the College except in the case of scholarship holders and students on the Dean's List. One-half credit is deducted for each unexcused absence on these days.

When students are excused from attendance at classes during the two days prior to or after a vacation because of participation in a college sponsored activity, they must attend classes on the next two days prior to or after the excused absence.

At other times, reasons for absence which are usually accepted by the instructor and the Dean are necessary employment, illness (verified by the Nurse or Physician), participation in recognized extracurricular events, and emergencies.

Tardiness from a class or exercise is recorded as an absence.

A student who is absent from a pre-announced examination without

excuse receives a failure for the examination and is not granted the privilege of making it up.

**Auditing.** With the advance permission of the instructor and the Dean a regularly enrolled student may attend other classes as an auditor. The instructor establishes the conditions under which the student may audit, but in no case can the student receive credit for auditing. Occasional visiting is also allowed with the previous permission of the instructor.

**Motor Vehicles.** Qualified students are permitted to have or to operate a motor vehicle after the beginning of their junior year.

# General Information

EXPENSES

No precise statement can be made regarding the cost of a semester at Middlebury. The location of the College in a frugal Vermont countryside and the absence of metropolitan attractions permit a student to live economically. The College offers a limited number of scholarships to deserving students. The Deans endeavor to assist undergraduates in finding remunerative work both on the campus and in town.

A fairly accurate estimate of a semester's expenses may be made by selecting the applicable items from the following list of standard charges per semester:

| | |
|---|---|
| Tuition | $850.00 |
| Special course fees (see course descriptions) | $1.00 to 20.00 |
| Student Activities Fee—Men and Women | 27.00 |
| (Includes $15 Student Center fee) | |
| Accident and Sickness Insurance, Men and Women, Annual Premium | 30.00 |
| Additional fixed charges for men: | |
| Room rent, including heat and electricity (limited) | 190.00 |
| Board | 260.00 |
| Additional fixed charges for women | |
| Room and Board | 450.00 |

Tuition will be increased to $950 per semester effective September 1967. Payment of tuition entitles a student to not more than sixteen credits each semester; an additional $57.00 charge is made per semester for each credit in excess of sixteen. No extra charge will be made, however, for the one credit per semester of the basic R.O.T.C. course, for the one extra credit allowed for the Senior Honors Course, nor for the extra credits in laboratory work in Music 12.1 and 12.2. The extra credit fee for students enrolled in Music 25 and/or Music 35 for practical work is also waived for one credit per semester up to four semesters. For such work in applied music the student is assessed the established fee for private instruction.

For graduate students, tuition is charged at the rates given above for a full semester program of fifteen credits, otherwise at the single credit rate.

All graduate and undergraduate students are required to enroll in a one-year accident insurance plan and, unless exempted by presenting evidence of equivalent coverage satisfactory to the Treasurer, in a companion sickness insurance plan. The combined premium for these plans is $30 and a description thereof will be forwarded with the semester bills in the summer.

A graduation fee of $11 is paid by all seniors.

A fee of $1 is charged when, on authorization of the Administration Committee, a lost student identification card is replaced.

A rebate of $5 per week may be allowed for absence from dining halls for two consecutive weeks or longer.

No refund of tuition, fees, or room rent is made in the case of dismissal. Refunds may be made for entry into the Armed Forces through Selective Service, but in other cases of absence or withdrawal, refunds may be considered only under exceptional circumstances.

A fee of $25 is charged students who repeat the General Examination and who are not regularly enrolled in college.

Students will make a pre-registration deposit of $50 in the spring to be applied to the charges of the succeeding semester and to be forfeited if the student fails by August 1 of any year to notify the Dean of his intention not to return for the succeeding semester.

Students may not take examinations, receive credits, nor expect honorable dismissal until all financial accounts are settled.

The right is reserved to change quoted charges if necessary. The College assumes no responsibility for loss of student property through fire, theft, or disappearance.

Travel, textbooks, clothing, fraternity or sorority dues, and social assessments must also be considered in estimating a year's expenses.

All students will be required to pay tuition, student activities fee, board and room bills for the semester at least three days before classes begin. An itemized statement showing course fees and any additional charges will be mailed on or before December 1 for the first semester and April 1 for the second semester. These bills must be settled in full by December 15 and April 15, respectively. Failure to make payment when due automatically cancels the privilege of attending classes and incurs liability for a late payment fine of $5.00.

The Registrar issues a transcript of record on request to students wishing to transfer or to secure a statement of their credits for any other purpose. One copy of the college record is furnished free. A fee of one dollar is charged for a duplicate of the transcript. To students who are financially indebted to the College, or to those who have not surrendered Identification Cards on leaving college, no transcript will be issued until satisfactory arrangements have been made at the Treasurer's office. No fee is charged for transcripts submitted to any branch of the armed service.

## FINANCIAL AID

Financial Aid at Middlebury is awarded primarily to those who would not be able to attend college without such assistance. Applicants must also demonstrate evidence of academic achievement, character and leadership. Financial aid in the form of grant, loan and job is normally awarded for one year contingent on continued eligibility. In order to retain the grant portion of financial aid, a student must have for the previous semester a minimum average of 75, or a minimum grade of 70 in all courses. A grant can be forfeited for misconduct.

Middlebury College is a member of the College Scholarship Service, an

activity of the College Entrance Examination Board at Princeton, New Jersey. Financial aid awards are based on analysis by the College Scholarship Service (CSS) of the Parents Confidential Statement (PCS) and on the College's review of the CSS determination of need. Parents of applicants for admission who require financial aid should submit the Confidential Statement directly to the College Scholarship Service before January 8 of the entering year. The form may be obtained from the secondary school counselor. Early Admissions candidates must file the PCS before October 1 of their senior year in secondary school. Renewal forms of the above Statement must be filed annually by February 15 with the Office of Financial Aid.

Middlebury College participates in three Federal programs of student aid: National Defense Student Loan (NDSL), College Work-Study, and Educational Opportunity Grants. It is also possible for Middlebury students to borrow privately at terms similar to NDSL through the United Student Aid Fund, 834 Third Avenue, New York, N.Y.

Middlebury College does not encourage freshmen to take College jobs or to have outside employment. However, it is expected that financial aid students will find summer work. It is the current policy of Middlebury College to base financial aid on the offer of a loan of $600. The College is reluctant to encourage students to borrow more than $2,400 for the four years, unless it is absolutely necessary.

When possible and within the limited resources of a small college and small town, financial aid to upperclassmen will include campus employment. Thus, a limited number of men and women may find employment as waiters or waitresses, laboratory and library assistants, typists, stenographers, research assistants, messengers, guides, resident hall and student union desk clerks. Some students operate newspaper, laundry, magazine and travel concessions. A few highly qualified students can find summer employment as research assistants under the Federal College Work-Study Program, which also assists in financing several of the student jobs listed above. No student should expect to earn more than $250 during the academic year.

Several states have guaranteed loan programs and scholarships available to their residents for use at out-of-state colleges. Families of students seeking financial assistance should inquire of their State Office of Education regarding possible programs.

Correspondence concerning financial aid to applicants for admission should be addressed to the Director of Admissions. Similar inquiries by Middlebury students should be made at the Office of Financial Aid.

## NAMED AND ENDOWED SCHOLARSHIPS

The following is a list of endowed and other named scholarships offered to Middlebury students. Candidates for financial aid are cautioned that they should not make application for specific named grants. By applying for financial aid, an applicant will be considered for an award from the scholarships listed below or from the general scholarship fund.

THE CHARLES A. DANA SCHOLARSHIPS are available to qualified

sophomores, juniors, and seniors. The purpose of these scholarships is to identify and encourage students of good character with strong academic backgrounds who have given evidence of potential leadership traits during the freshman year. The scholarships range from an honorarium of $100.00 for those without financial need to the cost of tuition for those requiring such support. Each year approximately twenty new Charles A. Dana Scholars are selected. The Charles A. Dana Foundation was established in 1950 with the scholarship program as one of its significant activities. These scholarships are among the highest honors which are awarded to students.

STATE SCHOLARSHIPS. Through an annual appropriation of the Vermont Legislature, scholarships from $100 to $300 each are granted to State residents attending seven Vermont colleges of which Middlebury is one. The thirty Vermont senators are each privileged to award a number of scholarships at their discretion to undergraduates in the different institutions. The scholarships are for one year only but may be renewed. Application must be made in the spring directly to the Office of Financial Aid.

THE CECILE CHILD ALLEN STUDENT AID FUND. $78,243.75. The income to be awarded to one or more junior or senior women who need financial aid, and who are "the kind of women that Middlebury would be proud to see represent the College in the outside world." Awards are made under the authority of the women members of the Board of Trustees.

THE CORNELIA W. BAILEY FUND. $33,500. Established in 1929 under her will for students of the Protestant faith, residing in Vermont.

THE BALDWIN FUND. $28,122. Received in 1871 from the estate of John C. Baldwin, Esq., of Orange, N.J., for men.

THE CESARE BARBIERI ENDOWMENT FUND. $45,000.

THE JOSEPH BATTELL SCHOLARSHIPS. $500 annually, for young women of Addison County.

EDWARD L. BOND JR. MEMORIAL SCHOLARSHIP. $10,205. Established in 1962 in memory of Edward L. Bond Jr. '62 by his parents and friends.

THE EZRA BRAINERD SCHOLARSHIP. $5,010. Established in 1961 by gift of Ezra Brainerd, Jr. in memory of his father, Ezra Brainerd, Class of 1864, President of Middlebury from 1885–1908. Income is used to aid a deserving student, preferably one who is a resident of Vermont.

THE ELBERT S. AND ANNA H. BRIGHAM SCHOLARSHIP FUND. $422,194.65. Established in 1953. Income to be used for scholarship awards to deserving men or women students who are residents of the State of Vermont. Tenable for four consecutive years.

THE CHARITABLE SOCIETY FUND. $4,012. Established in 1832, for men.

THE ANNIE L. COX SCHOLARSHIP FUND. $2,500. Established for "a worthy student manifesting decided ability in some line of study, preferably a student of Italian parentage."

GEORGE C. DADE '15 MEMORIAL SCHOLARSHIP FUND. $25,000. Established in 1965 by the gift of Mrs. George C. Dade to provide scholarship aid for worthy young men and women.

THE WILFRED E. DAVISON SCHOLARSHIP FUND. $1,632. Established in 1936 by bequest of Frank P. Davison of Cabot, for men.

THE DR. RALPH B. DELANO SCHOLARSHIP FUND of $10,000. Established in 1950. Subject to a reservation of life income.

DELTA KAPPA EPSILON SCHOLARSHIP FUND. $5,723.05. The income to be awarded to a member of the Delta Kappa Epsilon Fraternity at Middlebury College.

THE ERWIN EWALD DROST MEMORIAL FUND. $250. Established in 1944 by Mrs. Marguerite Jahr, Mrs. Winnie Wiesenthal, Mrs. Clara Comstock, and Miss Emma C. Drost, in memory of their brother, Erwin Ewald Drost, class of 1924.

Dean S. Edmonds Scholarship Fund. $35,198.02. Established in 1953. "Income from fund to be used by Middlebury College as it shall determine as financial aid to students at Middlebury College, giving preference to male students and to students of the sciences, more particularly physics, including electronics."

The Fairbanks Scholarships. $2,000. Established by Thaddeus Fairbanks, Esq., of St. Johnsbury, for men.

Rollo J. Francisco Scholarship Fund. $17,919.70. Established under the will of the late Rollo J. Francisco of Rutland, Vermont, in 1951.

E. Chester "Ben" Franklin '21 Scholarship. $20,000. Established in 1962 by Miss Helen A. Franklin in memory of her brother. First preference is to be given to descendants of Ernest Chester Franklin and then to undergraduates maintaining high academic standards and participating in the athletic program of the College.

Eben J. Fullam Scholarship. $10,000. Given in memory of Eben J. Fullam of the class of 1895 by Mrs. E. J. Fullam of Springfield, Vermont.

Alice Brooks Fuller Scholarship Fund. $15,000, "to aid worthy women preferably from Worcester County, Massachusetts."

John Hamilton Fulton Scholarship Fund. $198,787.50. Established in 1964. Income to be awarded as named scholarships for young men who are graduates of Athens College, Greece, and for young men of Scottish parentage who are graduates of schools located in Scotland.

The William W. Gay Fund. $5,000. Established in 1929 by the gift of Mrs. Frederic F. Van de Water, Jr., in memory of her father, William W. Gay, class of 1876.

Joel B. Harris Scholarship Fund. $23,000, made available in 1937 under an annuity contract with Charles P. Harris, for the benefit of male students of the College.

Benjamin L. Haydon Scholarship Fund. $56,831.12. Bequest under the will of Elsie Haydon Cornell. "Income to be used by Middlebury College for scholarships." Benjamin L. Haydon graduated from Middlebury College in 1897.

The Charles B. R. Hazeltine Fund. $14,043.35. Established in 1923 "for assisting worthy students."

Richard A. Heine Memorial Scholarship Fund. $2,775. Established in 1964 in memory of Richard A. Heine '64 by his parents and friends to assist a deserving undergraduate at Middlebury to complete his education.

The Waldo H. Heinrichs Scholarship Fund. $9,485.50. Established in 1956, the income to be awarded to a man or woman in the sophomore year for use in the junior year.

The John A. Howe Scholarships. $3,000. Bequeathed by John A. Howe, Esq., class of 1853; the income first available for his descendants, and then under certain conditions for students from Poultney.

Christian A. Johnson Memorial Scholarship Fund. $50,000. Established in 1964, for upperclass students with preference being given to those majoring in Economics.

The Frederica V. Jones Scholarship. $10,000. Established in 1950. The gift of Vanderbilt Webb and Cyril H. Jones. Income to be annually used as a scholarship for the benefit of any man or woman who may in the judgment of the college authorities "be deserving of this award."

The Kappa Delta Rho Scholarship Fund. $3,559.00, for worthy male students of the two upper classes majoring in science or mathematics, with preference being given to members of the Kappa Delta Rho Fraternity.

Joseph P. Kasper Scholarship. $25,025. Established in 1962 by the directors of the Associated Merchandising Corporation to honor Joseph P. Kasper '20 on occasion of his retirement from that Company as Chairman of the Board. Income awarded annually in equal amounts to an undergraduate man and woman with the provision that 60% of the award be a scholarship and 40% be a student loan repayable after graduation.

The Sanford H. Lane Memorial Scholarship Fund. $2,000. Established in 1945, for students of the Men's College.

THE TED LANG, JR. MEMORIAL SCHOLARSHIP FUND. $16,000. To be awarded annually to a man in his senior year.

THE LITERARY FUND. $740. Established in 1835, for men.

ROBERT J. MARONY FUND. $122,925. Income to be used annually for the support of education at Middlebury for underprivileged young men and women of the United States.

GERTRUDE CORNISH MILLIKEN SCHOLARSHIP FUND. $7,487.48. Established in 1964 by gifts of the Middlebury Alumnae Association and Alumnae clubs to honor Mrs. Gertrude Cornish Milliken '01. Income to be awarded to undergraduate women.

THE LEVI P. MORTON SCHOLARSHIP. $2,000. Established by Hon. Levi Parsons Morton of New York City, for men.

THE NEW JERSEY STUDENT AID FUND. $400. For men from New Jersey.

THE HEWITT PAGE SCHOLARSHIP FUND. $500. Established in 1964 by the gift of Hewitt E. Page '33. Income to be added to principal for first five years, after which it shall be used with restrictions under the direction of designated college officials.

THE PENFIELD SCHOLARSHIP. $1,000. Established by Allen Penfield, Esq., of Burlington, for men.

THE DANA G. PIERCE SCHOLARSHIP FUND. $8,012.50. Established in 1951. "For men students from Rutland High School."

WILLIAM H. PORTER MEMORIAL SCHOLARSHIP. $10,000. Income to be used for a tuition scholarship. Established by Helen Porter Pryibil in 1950.

THE PRESIDENT'S PURSE. $33,272.71. Established by the late Charles M. Swift, Esq., the income to be disbursed at the discretion of the President.

THE FREDRIKA PROCTOR FUND. $25,000. Established in 1956, the income to be awarded as a named scholarship, to an undergraduate studying French, by the Scholarship Committee.

JUSTIN RICKER FUNDS #1, #2, #3, #4, #5, and #6. Established by Justin M. Ricker '06 subject to reservations of life income, after which the income of these funds is to be used for scholarships for male students from Bridgeport, Connecticut, or Waterbury, Vermont, or both.

THE ELEANOR S. ROSS SCHOLARSHIP FUND. $11,147.95. Established by Middlebury Alumnae Association in memory of Dean Eleanor S. Ross Thomas. Awarded annually to a Middlebury senior woman and based equally on the scholarship, need, and all-around merit of the recipient.

THE JOHN W. ROWELL FUND. $2,000. Established by the late Chief Justice Rowell.

GEORGE ROBERT WHITE SCOTT (Class of 1864) SCHOLARSHIP. $99,486.76. Established by bequest of Dr. George Dow Scott, Class of 1895, for students of high character, irrespective of creed, color, race, or scholarship standing, preference to be given first to a student or students belonging to Alpha Mu, Chi Psi, and then to a student or students of North American Indian, Chinese or Japanese descent.

THE BEZELIEL SMITH FUND. $1,000. Established in 1893, for men.

LUCY D. SMITH '18 SCHOLARSHIP. $20,000. Established in 1961 for needy and deserving students.

THE JONATHAN COLEMAN SOUTHMAYD SCHOLARSHIP FUND. $28,600. Established by the late Hon. Redfield Proctor, in 1922, its income first available for students (men or women) from Proctor.

THE A. P. STAFFORD FUND. $1,000. Established "to assist needy students from Wallingford to an education."

THE JOHN WOLCOTT STEWART FUND. $25,000.00. Established in 1956 by the late Philip B. Stewart in memory of his father, the income to be awarded to one or more male students in need of financial aid who, having completed one or more years' courses, have shown themselves to be of good character and worthy of continued enrollment in college.

THE W. J. STONE FUND. $50,000. Established in 1965 by bequest of Wilfred J. Stone,

the income to be used to assist Vermont male students at Middlebury College with preference to graduates of Vergennes High School or Vermont Academy.

THE SUBSCRIPTION of 1852. $25,000. For men.

AGNES WARNER SUNDERLAND FUND. $3,000. Established by Edwin S. S. Sunderland, Esq., class of 1911, the income from which is first available for the assistance of students from Cornwall.

THE ARTHUR GOULD TASHEIRA FUND. $25,000, the income to be used as far as possible to provide scholarships for worthy and deserving students.

THOMAS G. THOMPSON SCHOLARSHIP FUND. $3,500. In memory of Frank Genung Thompson and Mrs. Alma C. Dow to provide two equal scholarships, one for a young man preparing for the protestant Christian ministry, and the other a young woman.

THE LUDGAR J. TOUSSANT FUND. $420.41. Established by the class of 1920 in memory of their classmate—Ludgar J. Toussant—killed in World War I.

THE HERBERT K. TWITCHELL FUND. $2,000. Established in 1929 by a bequest received under the will of Mr. Twitchell for students from Vermont, preferably Addison County.

THE JAMES M. TYLER FUND. $1,000. For students from Vermont.

BESSIE CLARINDA VERDER '98 MEMORIAL FUND FOR WOMEN STUDENTS. $1,000. Established by Blanche Avaline Verder in memory of her sister.

THE VOTER MEMORIAL SCHOLARSHIP FUND. $1,325.00. The income to be used for scholarship purposes, in memory of Professor P. C. Voter, formerly Chairman of the Chemistry Department.

THE WALDO FUND. $10,000. Established in 1864 by bequest of Mrs. Catherine E. Waldo of Boston, for men.

THE WARREN FUND. $3,000. Given in 1835 by bequest of Deacon Isaac Warren of Charlestown, Mass., and its income applied in payment of college bills of those who are preparing for the Gospel ministry.

THE ASA WHEELOCK SCHOLARSHIPS FUND. $5,000. Established under the will of Charles B. R. Hazeltine of Arlington, Mass., the income first available for protestant students from the town of Wardsboro, and then from other small country towns in the State.

THE EMMA WILLARD SCHOLARSHIP. $2,000, established in 1895 by the Emma Willard Association, for the benefit of deserving young women. The holder of this scholarship receives a supplementary scholarship bringing the total up to $350. For seniors only.

THE WINDHAM COUNTY CONGREGATIONAL SCHOLARSHIP FUND. $2,000. Established in 1951. "Income first available for students proposed by the Conference."

THE HARRIET B. WINSOR SCHOLARSHIP FUND. $10,000. Established under the will of Harriet B. Winsor, of Springfield, Mass., in 1950. One-half income to provide a scholarship for men and one-half income to provide a scholarship for women.

THE CHARLES BAKER WRIGHT SCHOLARSHIPS. $50,000. Established in 1949. Income from fund to provide two full tuition scholarships to be awarded annually to a man and a woman in the senior class.

THE MARION L. YOUNG SCHOLARSHIP FUND. $5,000. Established by the Middlebury Alumnae Association in 1940. Income awarded annually to the freshman woman outstanding in scholarship, personality and athletics.

GENERAL STUDENT SCHOLARSHIP FUND. $41,943. The aggregate of gifts from friends to be used in making loans to students, originating with a gift from Prof. Wm. W. Eaton of $25 in 1911. Income from Fund may be used for scholarships.

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THE HENRY FRANCIS BARROWS SCHOLARSHIP FUND. $1,050. Annually from the Boston Safe Deposit and Trust Company as trustee under the will of Fanny Barrows Reed.

THE CHARLES A. DANA SCHOLARSHIPS. See page 128.

THE GRACE M. ELLIS MEMORIAL SCHOLARSHIP FUND. Awarded by the Worcester (Mass.) County Alumnae Club on the basis of the scholarship, need and merit of the recipient. Apply to: Mrs. Paul Stone, 79 Whiting Street, Lunenburg, Massachusetts.

THE FRENCH GOVERNMENT SCHOLARSHIP. $250. Awarded annually to a student majoring in French and living at the Château or Men's French Residence on the basis of scholarship, character and personality.

THE KEMPER FOUNDATION SCHOLARSHIPS. $1,000 awarded to a man in each class by the Kemper Foundation to aid worthy students interested in careers in insurance.

THE AGNES M. LINDSAY AWARDS. $8,000. Annually from the Agnes M. Lindsay Trust, allocated by the College Trustees to scholarships for men and for women.

THE WILHELMINA C. SIEGERT SCHOLARSHIP. $500 annually. May be awarded to either a man or a woman of good citizenship who is in need of assistance.

THE ALBERT HENRY WIGGIN MEMORIAL SCHOLARSHIP. $2,400. Established by the Albert H. and Jessie D. Wiggin Foundation. A four-year full tuition scholarship awarded to deserving students.

THE H. MICHAEL WILSON MEMORIAL SCHOLARSHIP. $200. Awarded to a male student for his fifth or sixth semester in residence, preferably a member of Alpha Sigma Psi, who has demonstrated his financial need by some self-help and who has shown promise in scholarship, qualities of leadership, and a wholesome influence and character through loyalty to and concern for the welfare of his College or Fraternity. Given in memory of H. Michael Wilson by his parents, Mr. and Mrs. H. M. Wilson.

THE SYLVIA WESTIN WURTS MEMORIAL SCHOLARSHIP. Awarded each year to a woman student from the Hartford, Connecticut, area. Apply to: Mrs. Elmer W. Selnau, 23 Tanglewood Road, Farmington, Connecticut.

## LOAN FUNDS

REID L. CARR AND ELEANORA F. CARR REVOLVING LOAN FUND. $11,143.49. "To help deserving students."

JOEL B. HARRIS STUDENT LOAN FUND. A revolving fund of $7,205.64 for loans to Middlebury students.

HAZELTINE STUDENT LOAN FUND. $2,500, received in 1923 under the will of Chas. B. R. Hazeltine and his sister, Harriet S. Hazeltine, of Arlington, Mass., "the income only to be used as a loan fund in assisting students in Middlebury College."

ELAM R. JEWETT STUDENT LOAN FUND. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to men students of the College."

MARTHA JEWETT NASH STUDENT LOAN FUND. $3,000, received in 1923 from a friend. "The principal to be safely invested, the income and accretions to be loaned, under certain conditions, to women students of the College."

WILLIAM H. PORTER STUDENT LOAN FUND. $10,140, an unconditional legacy received in 1927 under the will of William H. Porter of New York. By action of the trustees it was made the William H. Porter Student Loan Fund, the principal to be safely invested and kept intact, the interest therefrom and accretions thereto to be used for making loans to worthy students of the Men's College from Vermont—first consideration being given to those from Addison County.

JUSTIN M. RICKER FUND. $3,387.91. Established in 1956 by Justin M. Ricker, '06.

EMMA HARDY SLADE STUDENT LOAN FUND. $3,045.05. A revolving loan fund for both men and women, but with preference given to women. Established in 1961 by the National Society of New England Women, in honor of its founder.

## PRIZES AND AWARDS

There are many generous prizes and awards for which students may compete in various ways. An Awards Night is held in May of each year at which many of the following prizes and awards are publicly presented by the President.

Charles B. Allen Memorial Prize. In memory of "Corky" Allen, '62. Income of $2,635.75. Awarded to the senior man who has excelled in the fields of biology, chemistry and/or physics, and who by his participation in athletics and other student activities has contributed to the spirit of Middlebury.

Bishop Atwood Historical Prize. Income from $299.05. Awarded to the man who does the most distinguished work in history. Established in 1938 by Julius W. Atwood, 1878, Bishop of Arizona, 1910–1925.

Byron E. Bermas, Jr., Prize. Income from $500. Awarded to a man or woman in the senior class who has done outstanding work in Geography.

Berwick Memorial Trophy. In memory of John Frederick Berwick, Jr., Class of 1954, given by Beta Pi of Phi Kappa Tau. "An honor voted annually to the most valuable male intramural athlete who has shown outstanding qualities in performance, leadership, and good sportsmanship."

Deacon Boardman Peace Prize. Income from $1,947.49. Awarded to a member of the junior class submitting the most creditable literary essay of at least 2,000 words in favor of peace and in opposition to war as a method for settling international differences. In memory of Samuel Ward Boardman, Professor of Rhetoric and English Literature, 1859–1861.

The Blue Key Trophy. An honor voted annually to the freshman who, by his performance, example, and influence as an athlete and as a man has done the most to advance the cause of sportsmanship, and the spirit of his class and College. Established by Blue Key, 1948.

Barbara Buchanan Memorial Award, in memory of Barbara J. Buchanan '62. Income on $1,633. Awarded to the senior woman who most fully represents Barbara Buchanan's academic excellence and ideal of service.

Reid L. Carr Prize. Income from $1,500. Awarded to the male member of the senior class who has shown the greatest proficiency in English Literature.

George H. Catlin Prize. The annual income, not exceeding $1,000, on a fund established by the will of George H. Catlin in 1930, awarded annually to the student who completes the full A.B. "classical" course, showing the highest grade for scholarship and deportment. Established in 1918 by George H. Catlin, Hon. LL.D. 1920, Pennsylvania banker.

George H. Catlin Classical Prize Fund. Income from $1,000. Awarded to a man in the senior class whose college work in Greek and Latin is adjudged worthiest of distinction.

George H. Catlin Fund. Income from $7,615.74. Established by the will of George H. Catlin, in 1951. Awarded each year to the student who has completed with the highest average the full four-year "classical" course, including preferably some study of Latin and Greek.

Eaton Prize. Income from $1,000. Awarded to the student who in the opinion of the President and the Faculty has maintained the highest standing in the Classics.

George Ellis Fellowships. Two fellowships, each with an annual value of over $2,000, were established at Columbia University in 1931, under a provision in the will of George W. Ellis, to be open primarily to residents of Vermont or to the graduates of Middlebury, Norwich, and the University of Vermont. The fellowships are awarded to qualified men or women for pursuing advanced or graduate study in any of the faculties

or schools at Columbia. Information on this fellowship may be secured from the President's Office.

HARRY M. FIFE MEMORIAL. Income from a fund of $612.77, established in memory of Harry M. Fife, Professor of Economics, 1925–50.

HAZELTINE-KLEVENOW CUP. Awarded to a man in any of the four classes who has best combined ability in athletics and excellence in scholarship. The name of the recipient is placed on the cup as a permanent record, and a replica of the cup is presented to the winner. Established by Marshall M. Klevenow, Middlebury coach, 1925–1928, and Burt A. Hazeltine, Dean of Men, 1926–1938.

KELLOGG LATIN ENGLISH PRIZE. $25. and $15. Awarded for the two best examination papers on Horace. Established by Brainerd Kellogg, Professor of Rhetoric and English Literature, 1861–1868, and trustee, 1885–1920.

EDWIN WINSHIP LAWRENCE PRIZES. Income from $13,140.34. Awarded to three students adjudged by the English Department to exhibit the greatest proficiency in debating. Established in memory of the donor's father, George Edwin Lawrence, 1867, Vermont lawyer.

EDWIN WINSHIP LAWRENCE PRIZES. Income from $2,000. ($1,000 of this fund is held by the University of Vermont.) Awarded to four debaters participating in the annual debate between the University of Vermont and Middlebury. The winners are the best four in the two teams. Established by E. W. Lawrence.

EDWIN WINSHIP LAWRENCE PRIZE. $120. Awarded annually to the freshman or sophomore showing the greatest improvement in debating proficiency. Appropriated from the income of the Edwin Winship Lawrence Fund For Developing and Improving Debating to encourage freshman and sophomore students to engage in debating.

ROSE MARTIN SPANISH PRIZE of $25. Awarded to that woman graduating with a Spanish Major, named by the Department of Spanish for her outstanding performance in the major area. Established in May 1961 by the Manhattan Middlebury Alumnae Association.

MERRILL PRIZES. $30, $25, $20, $15. Awarded to four students adjudged best speakers in a contest of students. Established in 1882 by Thomas A. Merrill, Middlebury pastor, 1805–1842, and trustee, 1806–1852.

MORTAR BOARD CUP. Awarded to a sophomore woman who in the opinion of the Chapter has shown the greatest interest in College by participation in extracurricular activities and by attainment of high scholarship. Established by Mortar Board.

OPTIMA PRIZE. $200. Awarded to the junior woman who by vote of her class is considered most typical of Middlebury, as shown in character, scholarship, and personality. The winner also receives a gold emblem. Established in 1929 in memory of Henry Hobart Vail, 1860, trustee 1893–1925, by Mr. and Mrs. Roger S. Baldwin in appreciation of the benefits derived by their daughter Catherine (Mrs. Catherine Baldwin Blanke) during her undergraduate years at Middlebury.

MILDRED VIRGINIA OSHER HISTORY PRIZE. Established in 1963 by Lloyd J. Graybar '60 in memory of his aunt, Mildred Virginia Osher. Income of $500. Awarded annually to the student who writes the best honors thesis in history or, at the discretion of the departmental chairman, to the senior student who has displayed the greatest proficiency in the study of history during the four undergraduate years.

PARKER PRIZES. $50 divided. Awarded to students, adjudged best speakers in a contest of students. Established in 1807 by gift of Daniel Parker, French merchant and landlord, and by Frederick Hall, Professor of Mathematics and Natural Philosophy, 1806–1824.

JOHN P. STABILE MEMORIAL CUP. Awarded to the athlete who best exemplifies the Middlebury spirit. Established in memory of Lt. John P. Stabile, '40, killed in action, Guadalcanal. Established by Lt. John F. Hogan, '41.

MARY DUNNING THWING PRIZE. Income of $1,500. Awarded to a student of the Women's College who in her junior and senior year has done the best work in English

composition, prose and poetry. Established by Charles F. Thwing, President of Western Reserve, in memory of his wife, Mary Dunning Thwing.

Alice J. Turner Memorial Trophy. Awarded each year to a member of the varsity basketball team.

Wetherell Prizes. Income from $1,231.94. Awarded to the two men showing the greatest interest and proficiency in debating. Established by friends in 1922 as a memorial to Archibald D. Wetherell, Assistant Professor of History, 1908–1916.

Franklin G. Williams '13 and Sara H. Williams '12 Memorial Award. Income from $1,000 to be awarded to a young man or woman in the sophomore class, on the basis of deep human qualities of natural kindness, perceptivity of the needs and feelings of others, and an abiding sense of personal responsibility.

Woolsey Prizes. Income from fund of $1,201.12. Awarded to the two undergraduates writing the best examinations in Bible. Established in 1933 by Theodore S. Woolsey, trustee, 1922–23.

## RESIDENCE HALLS

Middlebury is a residential college. All single men live in the residence halls or fraternity houses; all women live in the residence halls.

Reservations are made by upperclassmen during the spring for the following year. Students reserving rooms are responsible for the year's rental charge, unless a period of one semester is approved at the time the room contract is signed. All rooms are assigned subject to residence halls regulations and the terms of the room contract. Occupants are liable for any damage to the residence halls and their furnishings. A student may be required to withdraw from a residence hall at any time for failure to respect college residence halls regulations or quiet hours, and forfeit the room charge for the remainder of the semester. The College does not accept responsibility for loss of money or other personal property or damage thereto while located in the Halls. The Director of Residence Halls or a duly assigned representative of the College has the right to inspect rooms at any time.

Rooms are ready for occupancy in September on the day preceding the first college exercises and, except for seniors, are vacated in June on the day following the student's last final examination. Residences are closed during the Thanksgiving, Christmas and Spring vacations, and students may not have access to rooms during these periods.

**Men's Residences.** Gifford and Stewart Halls each accommodate 150 men; preference in choice of rooms is given to students in order of classes and academic standing. Hepburn, Painter and Starr Hall are reserved for freshmen. There are also French and German residences for men. Residence Halls are furnished with single or double-deck beds, mattresses, desks, dresser and chairs. Bedding, pillows and other accessories are furnished by the occupants. Because of limited floor space, no additional furniture may be moved into dormitory rooms without first obtaining authorization from the Director of Residences or his designated representative. Room fees include heat and electricity, and maid service once a week. Students provide their own laundry service.

Student proctors in each section of the upperclass Halls report to the Dean of Men and the Director of Residence Halls and represent the interests of both students and administration in matters concerning residence life. Junior Fellows in each section of the freshman halls have similar functions and in addition work closely with the Deans and the freshman counselors.

Freshman men are required to dine in Proctor Hall. Other students may dine there, or at fraternity houses, or at restaurants in town.

**Women's Residences.** Each of the residences for undergraduate women is under the supervision of a house director. The room charge includes heat, light and limited maid and janitor service. All rooms are furnished with single bed, pillow, mattress, study table, chiffonier or dresser, and chair for each student. Students provide their own bed linen and towels and provide for their laundering. All resident women students dine in college dining halls. Freshman women dine with the freshman men in Proctor Hall.

Women's residence halls include Forest Hall, Pearsons Hall, Battell North, Center, and South. The Château and Allen Hall accept qualified students who are interested in acquiring facility in spoken French, German, Spanish, or Russian.

## FRESHMAN WEEK

Directly preceding the opening of the fall semester, there is a three-day period of orientation to assist freshmen in adjusting to the college community. The program includes Freshman Convocation, an informal assembly, registration, receptions and social gatherings, lectures by members of the college personnel, and placement tests. Each student is assigned to a faculty counselor. Freshmen are also assisted by upperclass student advisers.

## CHAPEL SERVICES

On the highest eminence of the campus stands Mead Chapel, where members of the college community may gather for common worship. During the week there are a number of services conducted by the Chaplain, faculty members, and students.

The main weekly service is on Sunday morning. The sermons are delivered by the Chaplains, visiting clergymen, and faculty members. During 1965–66 Dr. Samuel Gandy of Howard University, Dean John B. Coburn of Episcopal Theological School, Dean Charles Noble of Syracuse University, and Chaplain Ralph G. Dunlop of Northwestern University were among those invited to preach in Mead Chapel.

In addition to services there are occasional Chapel lectures by eminent scholars, lay and clerical, who set forth topics of contemporary interest in theological and allied fields.

The Chapel program is entirely voluntary. It is Christian in emphasis and ecumenical in scope.

## HEALTH MEASURES

Under the direction of the Medical Adviser the College investigates and cares for the health of each student. Every freshman must present before matriculation a satisfactory health certificate signed by a physician. Physical measurements and health records are filed and corrective exercise recommended when needed. All freshmen and sophomores who are physically able are required to participate in organized physical activities at least two periods a week. The College reserves the right to ask the withdrawal of any student whose physical condition is not satisfactory. A student may be requested to have a thorough physical examination once a year or whenever considered necessary by the Medical Adviser or his representatives. Each student is charged for an accident insurance policy. See page 126.

Porter Hospital is well equipped for any type of case; there is a surgeon member of the American Board on the staff. An Infirmary is operated by the College for minor illness among the undergraduate women. A student is entitled each semester to care while a resident patient at either Porter Hospital or the Infirmary to the amount of $21.00. No doctors' bills or the cost of X-rays or hospital charges other than the daily room allowances will be paid for students. For men students, the cost of a physical examination, when taken at the request of the Medical Adviser, is deductible from the $21 allowance. College nurses, under the supervision of the Medical Adviser to the College, authorize absences due to illness attested by the Hospital, a doctor, or the Infirmary.

The College maintains a Psychiatric Adviser on its administrative staff. He is a fully qualified psychiatrist and is on the campus two afternoons a week. Students may visit him directly or be referred to him by the Deans or by the Faculty Advisers. There is no charge for this service, but if, in the opinion of the Psychiatric Adviser, a student needs a continuing program of psychiatric assistance, such a program is arranged and financed privately by the student. The Psychiatric Adviser is in constant touch with the Deans and advises the College of all matters involving the mental health and welfare of the students.

## DEPARTMENTAL HONORS PROGRAM

A student wishing to work for Honors in his major field seeks admission to the Program by applying to the chairman of his department during April of his junior year and by proposing an investigation of a problem of sufficient importance and scope to serve as the equivalent of one course during both semesters of his senior year. If the department chairman and staff approve the proposal, a departmental adviser is designated and the proposal is forwarded to the Faculty Honors Committee for its action. In order for the student to be admitted unconditionally to the Honors Program he must have semester averages of 80 or better in two of the three semesters previous to application. He may be conditionally admitted to the Program if he has an average of 80 or better for one of the three previous semesters.

In such cases final acceptance is contingent on his achieving an average of 80 or better during the semester in which he applies.

When the candidate is admitted to the Program, his department assists him in working out an appropriate plan of preparatory reading and research to be completed during the summer before his senior year. His work during his senior year is done individually, but is directed and supervised through frequent meetings with his Honors adviser.

The project culminates in the presentation of a thesis and in an oral examination conducted by a Board consisting of members of the major department and one member from outside the department. Three copies of the typed thesis are submitted by April 20 of the senior year, and the original copy is deposited in the College Library. The oral examination is held prior to the General Examination period in May.

To receive Honors, the candidate must have an average of 80 or better in all work taken in his major department, at least an 80 in the General Examination, and he must have a grade of 85 or better in the Honors project.

To receive High Honors, the candidate must have an average of 85 or better in his major department, at least an 85 in the General Examination, and he must have a grade of 90 or better in the Honors project.

These Honors are printed on the Commencement program and in the next annual Catalogue, and will be certified to, when requested, by a written certificate from the Registrar and the chairman of the department, stating the nature and quality of the work done.

## EXTRACURRICULAR PROGRAM

The relatively small size of the College permits participation in a variety of extracurricular activities by all undergraduates. Frequent dances, theatrical productions, sports events, debates, lectures and weekend mountain trips are scheduled throughout the year.

**Abernethy Lecture.** A writer of distinction is annually invited to address the College upon some aspect of American literature in commemoration of the birthday of Dr. Julian Willis Abernethy, founder of the Abernethy Library. The 1965–66 Lecturer was Dr. Loren C. Eiseley.

**Concert-Film.** Outstanding artists and films are brought to the campus under the supervision of a faculty committee appointed for that purpose. All regularly enrolled students are admitted to these concerts and films without charge.

Many other special lectures are sponsored by the College, under special funds, or through various departments and organizations.

**Conference.** An annual two-day symposium is held at which outstanding authorities in the fields of the arts, literature, economics, politics, religion, and science discuss with the students problems of current significance.

**Religion Conference.** In 1953 a group of students organized and raised money for a weekend conference on religion. They envisioned an annual event for the purpose of "exploring the meaning of religion in modern life." In 1957, Mr. Don Mitchell established an endowment to insure an annual income for the Religion Conference. As a result this conference has become one of the important occasions in the college calendar.

Religion Conference lecturer in 1965 was Prof. Benjamin A. Reist, San Francisco Theological Seminary.

**Radio Station.** Students operate a campus radio station, featuring interviews, news, athletic events and music.

## ATHLETICS

Middlebury College is a member of the Eastern College Athletic Conference, the largest collegiate athletic conference in the nation. This Conference has exacting rules of eligibility affecting competition by its members. Middlebury is also a member of the National Collegiate Athletic Association. The College maintains a healthy and active intercollegiate athletic program consisting of ten sports: football, soccer, basketball, skiing, hockey, baseball, track, lacrosse, golf, and tennis. There is also a freshman athletic program in all intercollegiate sports. Colleges of similar size and type such as Amherst, Williams, Wesleyan, Hamilton, and Union are met in most sports. In some sports Middlebury teams meet Army, Cornell, Dartmouth, Harvard, Massachusetts Institute of Technology, Princeton, Rensselaer Polytechnic Institute, and other large institutions. Middlebury, Norwich University, University of Vermont and St. Michael's College play annually for the Vermont State Championship in most sports.

Intramural games are scheduled in basketball, track, golf, rifle, soccer, lacrosse, bowling, tennis, relays, badminton, touch football, volleyball, hockey, softball, and swimming. Skiing and hockey are special features of the winter calendar.

A sports program for women, under the direction of the Department of Physical Education for Women and the Women's Recreation Association, includes intramurals, extramurals with other colleges, and participation in organized tournaments and meets open to college women. Activities include archery, badminton, basketball, bowling, diving, field hockey, folk dance, golf, ice skating, lacrosse, modern dance, riding, skiing, softball, squash, swimming, synchronized swimming, table tennis, tennis, trampoline, and volleyball. Performing groups include the Modern Dance Club and the Synchronized Swimming Club.

Students take part in the Annual Winter Carnival which, in the thirty-four years since its inception, has assumed an important role in the social and sports life of the College.

The College does not assume legal responsibility for the expense in caring for injuries sustained by athletes while training for or participating in athletic competition.

## ORGANIZATIONS

Student government is in the hands of the Student Association. Other administrative organizations include the Interfraternity and Panhellenic Councils and Redfield Proctor Hall Board of Governors.

Honorary organizations on the campus are: Phi Beta Kappa, Waubanake, Blue Key, Mortar Board, Junior Counsellors and Sophomore Guides.

There are also athletic, musical, dramatic, literary, religious, and departmental student clubs.

Ten fraternities are represented: Alpha Sigma Psi, Chi Psi, Delta Kappa Epsilon, Delta Tau Omega, Delta Upsilon, Kappa Delta Rho, Phi Kappa Tau, Sigma Epsilon, Theta Chi, and Zeta Psi; and five national sororities: Alpha Xi Delta, Delta Delta Delta, Kappa Kappa Gamma, Pi Beta Phi, and Sigma Kappa.

Fraternity rushing is held at the beginning of the sophomore year. Sorority rushing takes place at the beginning of the second semester of the freshman year.

## STUDENT GOVERNMENT

Students are governed by the Student Association in which all undergraduates have a vote. There are executive, legislative, and judicial branches of the Association.

The Association controls the conduct of students in all matters of college life not under the jurisdiction of the administration. It aims to further a spirit of campus unity and control and coordinate extracurricular activities.

The honor system, on which the women's section of the Association is organized, encourages high standards of responsibility and cooperation, and assists in maintaining the social standards of the College.

## PUBLICATIONS

Undergraduates of Middlebury College publish the weekly newspaper, *The Middlebury Campus*. Students assume complete responsibility for the editorial content of the newspaper. The junior class publishes *The Kaleidoscope*, the student yearbook. The *Middlebury Handbook*, giving information about campus organizations and college regulations, is published annually.

*New Faces*, a publication containing pictures of the members of the entering class, is published each year by the College in cooperation with the students and made available to parents and members of the student body.

*The Middlebury College News Letter*, a quarterly magazine, is published by the College for its alumni.

*Your Family and Middlebury* is a quarterly publication distributed to parents and friends.

*The Middlebury College Bulletin* is published eight times during the

college year. Periodic numbers include catalogues of the academic year, the Language Schools, the Bread Loaf School of English, the Bread Loaf Writers' Conference, and the Graduate Schools Abroad.

## VOCATIONAL PLACEMENT

The Placement Office of Middlebury College provides a central source of information on employment for both undergraduates and graduates. Here are filed college credentials, the record of graduate work and further training, and of first and subsequent positions, together with references from teachers and employers.

Opportunities are given students to meet representatives of various vocations and professions and to learn of openings and requirements in their fields of interest. The Occupational Library in the Placement Office assembles recent publications in a wide variety of fields. Many alumni provide vocational advice for undergraduates.

# Attendance Statistics

FIRST SEMESTER 1965–66

## GEOGRAPHICAL DISTRIBUTION

| United States and Possessions | Men | Women | Total |
|---|---|---|---|
| New York | 173 | 117 | 290 |
| Massachusetts | 160 | 83 | 243 |
| Connecticut | 118 | 63 | 181 |
| New Jersey | 65 | 59 | 124 |
| Vermont | 68 | 50 | 118 |
| Pennsylvania | 27 | 26 | 53 |
| Ohio | 25 | 22 | 47 |
| New Hampshire | 21 | 7 | 28 |
| California | 15 | 11 | 26 |
| Illinois | 12 | 14 | 26 |
| Maryland | 10 | 14 | 24 |
| Colorado | 13 | 8 | 21 |
| Maine | 15 | 6 | 21 |
| Virginia | 6 | 14 | 20 |
| Michigan | 9 | 8 | 17 |
| Wisconsin | 7 | 5 | 12 |
| Minnesota | 7 | 3 | 10 |
| District of Columbia | 3 | 6 | 9 |
| Missouri | 5 | 4 | 9 |
| Washington | 6 | 3 | 9 |
| Iowa | 3 | 4 | 7 |
| North Carolina | 2 | 5 | 7 |
| Rhode Island | 5 | 2 | 7 |
| Georgia | 2 | 4 | 6 |
| Florida | 4 | 1 | 5 |
| Indiana | 3 | 2 | 5 |
| Texas | 0 | 5 | 5 |
| Hawaii | 2 | 2 | 4 |
| Oklahoma | 1 | 3 | 4 |
| Kentucky | 2 | 1 | 3 |
| Oregon | 1 | 2 | 3 |
| Utah | 1 | 2 | 3 |
| Alabama | 2 | 0 | 2 |
| Delaware | 1 | 1 | 2 |
| Kansas | 0 | 2 | 2 |
| Nevada | 2 | 0 | 2 |
| New Mexico | 2 | 0 | 2 |
| Tennessee | 1 | 1 | 2 |
| Alaska | 1 | 0 | 1 |
| Arizona | 0 | 1 | 1 |
| Mississippi | 0 | 1 | 1 |
| Montana | 0 | 1 | 1 |
| Nebraska | 0 | 1 | 1 |
| Virgin Islands | 1 | 0 | 1 |
| Outside United States | | | |
| Canada | 13 | 7 | 20 |
| Italy | 1 | 3 | 4 |
| England | 1 | 2 | 3 |
| France | 2 | 0 | 2 |
| Germany | 0 | 2 | 2 |
| Greece | 2 | 0 | 2 |
| Mexico | 2 | 0 | 2 |
| Scotland | 2 | 0 | 2 |
| Brazil | 1 | 0 | 1 |
| Colombia | 1 | 0 | 1 |
| Egypt | 0 | 1 | 1 |
| Honduras | 0 | 1 | 1 |
| Hong Kong, B.C.C. | 1 | 0 | 1 |
| Japan | 1 | 0 | 1 |
| Korea | 0 | 1 | 1 |
| Libya | 1 | 0 | 1 |
| Malawi | 1 | 0 | 1 |
| Saudi Arabia | 0 | 1 | 1 |
| Wales | 1 | 0 | 1 |
| Zambia | 1 | 0 | 1 |
| | 832 | 582 | 1414 |

## ATTENDANCE BY CLASSES

| Undergraduates | Men | Women | Total |
|---|---|---|---|
| Seniors | 165 | 125 | 290 |
| Juniors | 180 | 131 | 311 |
| Sophomores | 223 | 156 | 379 |
| Freshmen | 253 | 160 | 413 |
| | 821 | 572 | 1393 |
| Special Students | 1 | 1 | 2 |
| Graduate Students | 10 | 9 | 19 |
| | 832 | 582 | 1414 |

## GENERAL SUMMARY

| Regular Session | Tota |
|---|---|
| Undergraduates | 1393 |
| Special Students | 2 |
| Graduate Students | 19 |
| | 1414 |
| Graduate School of French in France, 1965–66 | 69 |
| Graduate School of German in Germany, 1965–66 | 40 |
| Graduate School of Italian in Italy, 1965–66 | 13 |
| Graduate School of Spanish in Spain, 1965–66 | 62 |
| Language Schools, Summer 1965 | 1076 |
| Bread Loaf School of English, Summer 1965 | 225 |
| Writers' Conference, Summer 1965 | 187 |
| | 3086 |
| Less: Counted twice | 165 |
| | 2921 |

# HISTORICAL EVENTS

| | | |
|---|---|---|
| 1761 | Nov. 2 | Charter of the town of Middlebury granted from New Hampshire. |
| 1766 | June | John Chipman clears first "pitch" in Middlebury. |
| 1773 | June | First log house built in town by Benjamin Smalley. |
| 1777 | Jan. 15 | Vermonters make Declaration of Independence from New Hampshire. |
| 1778 | Nov. | Settlement of Middlebury completely plundered by British. |
| 1783 | Apr. 3 | First *permanent* settlement made in town. |
| 1791 | Mar. 4 | Vermont admitted to the Union. |
| 1796 | Oct. 25 | Present site of College Campus annexed from town of Cornwall. |
| 1797 | Nov. 8 | Addison County Grammar School chartered by the State Legislature. |
| 1798 | Sept. 30 | Timothy Dwight visits Middlebury and a plan for starting Middlebury College is discussed. |
| 1800 | May | Female Academy established. |
| | Nov. 1 | College charter granted by State Legislature and Jeremiah Atwater elected first President. |
| | Nov. 4 | First Trustees' Meeting. |
| | Nov. 5 | First students admitted. |
| 1802 | Aug. 18 | First College Commencement. One student, Aaron Petty graduated. |
| 1806 | Aug. 21 | Professorships of Natural Philosophy and Law created. |
| 1807 | July | Emma Hart elected Principal of the Female Academy. |
| 1809 | May 31 | Congregational Church dedicated. |
| | Aug. 16 | Jeremiah Atwater resigns; Henry Davis elected President. |
| 1810 | Aug. 15 | First Professorship of Languages established. |
| 1811 | Sept. | Great religious revival in College. |
| 1816 | Mar. | Painter Hall opened to students. |
| | Aug. 22 | Professorship of Divinity established. |
| 1817 | Oct. 6 | President Henry Davis resigns. |
| | Oct. 7 | Joshua Bates elected President. |
| 1819 | May 21 | Gamaliel Painter dies, bequeathing most of his estate to Middlebury. |
| 1820 | Aug. 16 | Middlebury adopts Castleton Medical School. |
| 1822 | Dec. | Private French School opened in Middlebury by John B, Meilleur. |
| 1824 | Aug. 18 | Alumni Association formed. |
| 1827 | Dec. 4 | Mechanical Association for "promoting systematical bodily exercise" started. |
| 1830 | Oct. 28 | First issue of *The Undergraduate* published. |
| 1833 | July | *The Philomathesian*, undergraduate literary magazine, first published. |
| 1835 | Aug. 20 | Chair of English Literature and Education founded. |
| 1836 | Aug. | Old Chapel completed. |
| 1839 | Jan. | Great religious revival ends disastrously. |
| | Mar. 18 | Inauguration of the Professors. |
| | Sept. 4 | President Joshua Bates resigns. |
| 1840 | Apr. 20 | Morning chapel is changed from 5:30 to 5:00. |
| 1841 | May 18 | Benjamin Labaree inaugurated President. |
| 1842 | Dec. 2 | First Forefather's Day celebrated at Middlebury. |

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| 1843 | Nov. 26 | Middlebury Chapter of Chi Psi founded. |
| 1859 | Apr. 15 | First athletic field planned. |
| 1860 | Nov. 1 | Cornerstone for Starr Hall laid. |
| 1861 | Mar. | Gymnasium opened for College and town. |
| | Apr. | Full company of students enlist. |
| 1864 | Dec. 25 | Starr Hall burned. |
| 1865 | Aug. 8 | President Benjamin Labaree resigns. |
| 1866 | Jan. 2 | Harvey D. Kitchel elected President. |
| | June | Bread Loaf Inn opened. |
| 1868 | Aug. 7 | Phi Beta Kappa charter granted to Middlebury. |
| 1873 | July | President Harvey Kitchel resigns. |
| 1875 | June 8 | Calvin B. Hulbert elected President. |
| 1876 | Mar. | First issue of the "second" *Undergraduate* published. |
| 1880 | Aug. 23 | Cyrus Hamlin elected President. |
| 1881 | Sept. 27 | Formal opening of Library in North Painter Hall. |
| 1883 | Sept. 13 | First women enter Middlebury. |
| 1885 | July 1 | President Cyrus Hamlin leaves office. |
| 1886 | Apr. 17 | Ezra Brainerd elected President. |
| 1888 | Mar. 16 | College snowbound in 10 to 15 foot drifts. |
| | Nov. 24 | State Legislature gives first financial assistance to College—$1200 for scholarships. |
| 1889 | Nov. | First Glee Club formed. |
| 1890 | June | Elective system established. |
| 1891 | Sept. 10 | Battell Hall, first women's dormitory, opened. |
| 1893 | Oct. 21 | First organized College football practice. |
| 1895 | June | Board at Battell Hall raised to $3.50 per week. |
| 1897 | July 13 | Fund for Chair of Political Economy and International Law established. |
| 1900 | July 3 | Starr Library dedicated. |
| 1902 | Dec. 4 | Women's College at Middlebury established. |
| 1908 | Oct. 17 | President Ezra Brainerd resigns and John Thomas elected President. |
| 1909 | May | Joseph Battell donates women's campus. |
| | July 7 | First Summer School session opened. |
| 1911 | June | Pan-Hellenic council is created. |
| 1912 | Mar. 9 | Alumnae Association formed. |
| | May | Women's Athletic Association organized. |
| 1915 | Feb. 23 | Joseph Battell dies, leaving to the College a mountain campus of over 30,000 acres. |
| | June 29 | German Summer School opened. |
| 1916 | July 8 | French Summer School opened. |
| 1917 | May 6 | College closes to permit students to enlist. |
| | June 30 | Spanish Summer School opened. |
| | Sept. 26 | *Campus* becomes a weekly newspaper. |
| 1918 | Oct. 25 | S.A.T.C. programs for Artillery, Air, Chemical Warfare, and Transport Service adopted. |
| 1920 | June 30 | Bread Loaf School of English opened. |
| | Sept. 20 | Maison Française, one of the first in America, opened at Logan House. |
| 1921 | Jan. 28 | President John Thomas resigns. |
| | July 28 | Paul D. Moody elected President. |

| | | |
|---|---|---|
| 1922 | Nov. 22 | Black Panther adopted as College mascot. |
| 1923 | Feb. 22 | Middlebury's first winter carnival. |
| | Sept. | Department of American Literature established. |
| 1926 | June 5 | First Alumni News Letter published. |
| | Aug. 16 | First Writers' Conference opened. |
| 1931 | May 6 | General examination system adopted by faculty. |
| | June 14 | Bread Loaf fire. |
| | July 6 | German Summer School reopened. |
| 1932 | July 1 | Italian Summer School opened. |
| 1941 | Aug. | Old Chapel becomes Administration Building. |
| 1942 | Feb. | College goes on wartime schedule. |
| | June 1 | President Paul D. Moody retires; Dr. Freeman Acting President. |
| 1943 | Jan. 6 | Samuel S. Stratton inaugurated as President. |
| | July 1 | College adopts an accelerated three-term calendar. |
| | July 1 | Navy V-12 unit of 500 men established at the College. |
| 1945 | June 29 | Russian Summer School opens. |
| 1947 | July 1 | First women elected to the Board of Trustees. |
| | Nov. 7 | Fifty meter ski jump at Snow Bowl completed. |
| 1949 | June 11 | World War II Memorial Field House dedicated in honor of the 62 men killed in action and the 1390 men and women who served in the Armed Forces. |
| | Oct. 1 | Graduate School of French in France established in Paris. |
| 1950 | Sept. 30 | Sesquicentennial Celebration |
| | Sept. 30 | Dedication of Lang Field. |
| | Nov. 25 | The hurricane. |
| 1951 | Oct. 1 | Graduate School of Spanish in Spain established in Madrid. |
| 1952 | Feb. 25 | Pres. Stratton leaves for a year as Point Four Director in Saudi Arabia. Vice President Freeman in charge. |
| | Sept. 18 | R.O.T.C. unit established. |
| 1953 | Dec. 23 | College Playhouse destroyed by fire. |
| 1954 | Mar. 18 | Gifts from Wilks Estate total $2,454,399. |
| 1957 | July 1 | Endowment and Accomplishment Grants from Ford Foundation total $549,500. |
| 1959 | Oct. 15 | Graduate School of German in Germany established at Mainz. |
| 1960 | Sept. 19 | Ford Foundation Grant of $111,500 for Teacher Training Program. |
| | Oct. 1 | Graduate School of Italian in Italy established at Florence. |
| 1963 | Sept. 1 | President Stratton retires; Dr. James I. Armstrong becomes twelfth President of the College. |
| | Nov. 8 | James I. Armstrong inaugurated as President. |
| 1964 | June 25 | Notification of Challenge Grant of $1,700,000 by Ford Foundation contingent on the College's matching it with $3,400,000 in new gift funds by June 30, 1967. |
| 1965 | Sept. 27 | Sunderland Language Center and Dana Auditorium dedicated. |
| 1966 | June 11 | Middlebury Challenge Fund total of $8,039,722 announced. |
| | June 22 | Chinese Summer School opens. |

# ALUMNI AND ALUMNAE

The Associated Alumni, one of the oldest organizations of its type in America, was established in 1824. The preamble to the constitution stated the purpose of the organization in 33 words that could not be better chosen today: "To revive the pleasing recollections of academic life—to cherish a laudable zeal for the advancement of literature and science and particularly for the prosperity of our Alma Mater this association is formed." A separate Alumnae Association for women graduates was formed in 1912.

The business of the Associated Alumni and Alumnae Association is conducted through the offices of the respective secretaries at the College. Biographical information and addresses may be secured through them. The NEWS LETTER, the Middlebury quarterly magazine, is mailed to all alumni and alumnae.

## NATIONAL ALUMNI OFFICERS 1966–67

*President:* G. Randolph Erskine '34 (elected 1966)
348 South Main St., Wallingford, Conn.

*Secretary:* Gordon C. Perine, '49 — 22 South Street, Middlebury, Vermont

## ALUMNI TRUSTEES

(*Term Five Years*)

### Region I

Chester H. Clemens '33 (elected 1966) — 36 Mill Lane, Hingham, Mass.

### Region II

Adrian C. Leiby, '25 (elected 1965) — 138 West Church St., Bergenfield, New Jersey

### Region III

Hamilton Shea, '36 (elected 1963) — Rawley Pike, R.D. 1, Harrisonburg, Virginia

### Trustee-At-Large

Robert T. Stafford, '35 (elected 1962) — 709 Sleepy Hollow Road, Falls Church, Virginia

## ALUMNI DISTRICT PRESIDENTS

(*Term Three Years*)

### Region I

*Northern New England*—Maine, New Hampshire, Vermont
John B. Cadwell '44 (elected 1966) — Box 347, Rutland, Vermont

*Massachusetts*
David E. Thompson '49 (elected 1966) — 44 Brookside Rd., Needham, Mass.

*Connecticut and Rhode Island*
John F. Bates, '42 (elected 1966) — 4 Brook Drive, Simsbury, Conn.

### Region II

*New York State*—Other than area around New York City
Dr. A. Gordon Ide, '33 (elected 1965) — 3 Oak Manor Crescent, Pittsford, New York

*New York City*—New York City, counties around City, and Long Island
Lewis G. Ensinger, '42 (elected 1965) — 8 Forbes Boulevard, Eastchester, New York

*New Jersey and Pennsylvania*
William E. Horr, '32 — 775 Fairacres Ave., Westfield, New Jersey

REGION III

*Washington*—Delaware, Maryland, D. C., Virginia, West Virginia, and all southern states east of Mississippi

DR. KENNETH E. COSGROVE, '42 (elected 1964) 570 Seventh Avenue, Hendersonville, North Carolina

*Mid-West*—Illinois, Michigan, Indiana, Ohio, Wisconsin, Minnesota, Iowa

ROBERT J. M. MATTESON, '38 (elected 1964) 1642 East 56th Street, Suite 219, Chicago 37, Illinois

*Western*—All states west of Mississippi, excluding Minnesota and foreign countries

PHILIP W. HOFFMIRE, '49 (elected 1964) 232 Mt. Shasta Drive, San Rafael, California

## PRESIDENTS OF ALUMNI CLUBS

*Boston:* ROBERT E. SEIXAS, '49 97 Fisher Street, Westwood, Massachusetts

*Montreal:* KENNETH KOURI, '59 13 Greenwood Street, Ste. Therese, Que., Canada

*Worcester:* HADLEY G. SPEAR, '22 39 Westwood Dr., Worcester, Mass.

## NATIONAL ALUMNAE ASSOCIATION OFFICERS 1966–67

*President:* MRS. S. C. BENNETT (Mildred Becker, '41)
83 Pittsford Way, New Providence, New Jersey

*Vice President:* MRS. WILLARD H. LOUD, JR. (Mary Nelson, '41)
19 Wildon Road, Wellesley, Massachusetts

*Delegates-at-Large:* MRS. E. BARTON DULAC (Frances Gale, '32)
1447 Dean Street, Schenectady, New York

MISS CHARLOTTE C. DURYEA, '56
East Beach Road, R. D. 2, Bradford, Rhode Island

## ALUMNAE TRUSTEE

(*Term Five Years*)

MISS MARIAN G. CRUIKSHANK, '30 (elected 1964)
52 William Street, Worcester, Massachusetts

## PRESIDENTS OF THE REGIONAL ALUMNAE CLUBS

*Boston:* MRS. WILLIAM C. BETTERLEY (Jacqueline Johnson, '52)
Forest Park Drive, Carlisle, Massachusetts

*Burlington:* MRS. FREDERICK TUTTLE (Judith Falby, '60)
66 Henderson Terrace, Burlington, Vermont

*Cape Cod:* MRS. ERIC B. CARLSON (Gunhild Elfstrom, '27)
338 Great Marsh Road, Centerville, Massachusetts

*Chicago:* MRS. NORMAN R. ATWOOD (Barbara Counsell, '43)
900 Oakton Street, Evanston, Illinois

*Cleveland:* MRS. ALFRED MAKULEC (Lois Grandy, '42)
2909 Southington Road, Shaker Heights, Ohio

*Fairfield County (Ct.):* MRS. ANTHONY G. L. BRACKETT (Mary Williams, '36)
19 Cherry Lane, Wilton, Connecticut

*Hartford:* MRS. NORMAN ARMOUR (Joan Allen, '51)
37 Carver Circle, Simsbury, Connecticut

*Long Island:* MRS. NELSON CAIN (Elinor Wieland, '39)
120 Holland Avenue, Floral Park, New York

*Manhattan:* Miss Kathleen L. Brokaw, '40
79 West Twelfth Street, New York, New York
*New Jersey:* Mrs. William F. B. Rodda (Ann Clark, '42)
12 Roosevelt Road, Maplewood, New Jersey
*Philadelphia:* Mrs. Robert Seidel (Cornelia Higley, '49)
114 Ridgewood Road, Radnor, Pennsylvania
*Rochester (N. Y.):* Mrs. Donald R. Thomas (Margaret Zornow, '57)
9 Washington Road, Pittsford, New York
*Twin State (Vt.-N. H.):* Mrs. Edgar Costello (Virginia Lee, '49)
46 College Street, Hanover, New Hampshire
*Washington, D. C.:* Mrs. Donald W. Jeffries (Paula Knight, '45)
310 Que Street, N. W., Washington, D. C.
*Westchester:* Mrs. Anthony Garcia (F. Jane Collins, '60)
2080 Midland Drive, Yorktown Heights, New York
*Worcester:* Mrs. William F. Trask (Ruth Shonyo, '52)
187 Goodale Street, West Boylston, Massachusetts

# Honorary Degrees Conferred by Middlebury College

## July 31, 1965

DOCTOR OF LAWS

Louis Jaxe

## August 14, 1965

DOCTOR OF HUMANE LETTERS

Donald Davidson

## August 17, 1965

DOCTOR OF LAWS

Germaine Bree

DOCTOR OF HUMANE LETTERS

Charles S. Singleton

DOCTOR OF LETTERS

Gerhard Storz

## September 29, 1965

DOCTOR OF LAWS

Charles A. Dana

## June 13, 1966

DOCTOR OF LETTERS

Stephen A. Freeman

DOCTOR OF LAWS

Philip H. Hoff

William M. Martin, Jr.

DOCTOR OF SCIENCE

Frances O. Kelsey

# DEGREES CONFERRED IN MIDDLEBURY SUMMER SCHOOLS
## SUMMER 1965

## MASTER OF ARTS

*English School—August 14, 1965*

Eugene Irving Angus
Emma Francello Argulewicz
Sorel Faith Berman
Rose Marie Brennan
Margaret Olausen Center
Francis Colton Compton
Elizabeth Ruster Flagler
Nancy Corinne Gimmestad
Richard Paul Goldman
Judith Cook Gordon
Joan Elaine Kelley
Natalie Jeannine LeMoine
Hugh Thomas McCracken
Cornelius Thomas McMahon
Donald John Miner
Robert Baylis Palmer
Duane Alan Paluska
Barbara Gail Parmelee
Karen Ann Pinter
Jean Ardith Richards
Theresa Georgianna Seman
Mary Margaret Sherry
Mary Elizabeth Staniels
Alfred Ejnar Stevens
Hal Cross Tobin
Charles Angelo Vigilante
Ernest Russell Wall
Marian Louise Warren
Sandra Eden Winslow
David Arthur Wright
James Arthur Wright

*French School—August 17, 1965*

Ruth Marion Anderson
Florence Theresa Aubin
Jacqueline Dorothea Benevento
Ben-Carr Blake
Robert G. H. Dequenne
Alberta Heintz DiLeo
Irene Harvey Durkee
Russell Frank Brown Everett
Winifred Esther Faria
Dorothy Gordon Fraser
Laura Ellen Gallagher
Thomas Howard Geno
Denys Armand Gonthier
Walter Paul Guenther
Helen Emerson Hayford
Elizabeth A. Hess
Florence Eleanor Johnson
Paul William Kearney
Richard Wilfrid Lessard
Robert Bradley Lieber
Sharon Mueller Loewald
John Maidanek
Pierre Mali
Arthur Aloysius Manion
Sylvia Marksfield
Gerard Edgar Messier
Richard Andrew Morris
Margaret Cramton Murray
Linda Sue Nonemaker
Harold Carl Osberg
Augustin Hamilton Parker, III
Merceda Ann Pilla
Roger Adolph Poirier
Antonie Velleman Richardson
Nicole Marguerite Rothe
Priscilla Tondreau Rowe
George Rubenfeld
Kenneth Mervyn Scovell
Josette Marie-Therese Selb
Sister Angela Maria Esposito
Sister Mary Madonna Bradshaw
Robert Swearingen
Patricia Ann Sweigart
Joseph Conrad Tardif
Doris Eileen Wallace
Nancy Means Wright
Ruth Wagner Ziegler

*Graduate School of French in France—August 17, 1965*

Helen Stone Alcala
Richard Alfred Bachand
Barbara Arlene Bebko
Virginia Belz
Elizabeth Treat Beresford
George Bergman
Linda Ann Bertocci
Evelyn Taggart Birge

Barbara Ann Bonnaviat
Ruth Marjorie Brandon
Brother Alfred Dominic Fontaine
Frederick George Bull
Eugenia Aldona Cesna
Marie Aubois Coburn
Philip George Coburn
Leslie Whitehurst Coombs
Erwin Charles Cornelius
Dorothy Ann Corner
William H. Courtney
Margaret Ruth Cross
Ivan Janos Csete
Albert Roger Descoteaux
Phyllis Jane Dragonas
Judith Ann Emerson
Nancy Elaine Fahnestock
Linda M. Freilich
Helen Teresa Glynn
Normand Louis Godin
Susan Ayres Godine
Nancy Grace Gozdz
Christine Charlotte Groemm
Marilyn Anita Hack
Francis Lee Higginson
Alyce Patricia Hill
Susan Applegate Hill
Mary Jean Horn
Linda Florence Julia
Barbara Louise Kaminar
Phyllis Ann Kerns
Patricia Ann Kinney
Catherine Clare Kochanski
Frances Magdalena Kosnik
Shirley Ann Kwasnicke
Vera Celia LaFarge
Carole Denise Landry
Virginia Lohner
Mary Theresa McCarthy
Robert Merriam McElwain
David Allen McNerney
Patricia Marchant
Betty Marayna Marcus
Rose Ann Martin
Dolores Maria Menendez
Gail Woodford Miller
Mary Mouyos
Hilda Mukamal
Marie Ellen Murray
John Oman Neal, Jr.
Dolores Marie Novak
Eugene Burke O'Connor, Jr.
Marlene Therese Palladino
Mary Annette Palmer
Mary Forsyth Poole
Elaine Rachlin
Phedre Rangazas
Joseph Theodore Rears
Richard Scott Reid
Geoffrey Richard Rogers
Raymond Salvagno
Joseph Francis Santilli, Jr.
Norman Richard Savoie
Janet Sayers
Carol Adele Schaaf
Linda Lorraine Segel
Jon Maxwell Smith
Joan Marie Solon
John David Stiritz
Virginia Edith Swain
Jay Charles Toole
Leslie Stillwell Train
Sallie Robinson Turner
Candace Catherine Uter
Lynne Barbara VanVoorhis
Marilyn Walz
George Chychele Waterston, Jr.
Sally Frances Weber
Ann Kellogg Weigand
Eleanor Paige Wisotzki

*German School—August 17, 1965*

Jill Allison Barlow
Daniel Elbert Chagnon
Robert Elliott Durkee
Rosemary Jean Elsasser
April Fisher
John Wenceslaus Gahala
Juanita Williams Gardner
Marilynn Miller Jewell
Sandra Jo Krebs
Richard Charles McCoy
Evelyn Biegert Moss
Josef Roggenbauer
Anna Maria Rosenberg
Ronald Charles Seaman
Mary Margaret Seiler
Edward Henry Shuster
Sister Mary Dolores Sablone
Karen Willits
Maria Komanowska Zachariasewycz

*Graduate School of German in Germany—August 17, 1965*

Bart Weston Ansley
Elizabeth Boehme
Michael Vincent Caola
John Gilbert Crocker
Virginia Marie Dau
John William DeJonge
Karlheinz Gunter Durstling
Sonja Jean Eilenberger
Burton Feingold
Ernst Oskar Forster
Wendell Whitney Frye
Edward Charles Ganz
Sophie Ida Georgi
Marie Theresa Heimerdinger
Marilyn Anne Hunter
Jeffrey Douglas Knight
Elizabeth Ann Lawler
Roger Maland Montgomery
Inese Emilija Ozols
Paul Francis Parks
Arlington David Pollock
Charles Ellsworth Poole
Carola Bergdolt Regan
Samuel Lawrence Rounds, Jr.
Helmut Peter Schaefer
Margaret Monica Sinka
Beatrice Adrienne Skulsky
Ellin Ann Taylor
Reinhard Dieter Theisz
Adele Cathleen Thorburn
Elizabeth Duffy Woodford
Richard Alfred Zipser
Alexander Zyznewski

*Italian School—August 17, 1965*

Zelia DiLeone
Giovanna Frances Licata
Marie Pasqualina Menna
Edma Ottolenghi
Primo Peter Piscitello

*Graduate School of Italian in Italy—August 17, 1965*

Carol Ann Amato
Ann Carol Barsky
Sylvia Anne Battista
Clare Elaine Chamberlain
Suzanne Divine
Katia Equale
Judy Markoff Finkel
Gail Elisabeth Hunt
Marianthe Brown Karaberi
Anne Chancellor Lowe
Robert Herman Mandel
Mary Ann Antonia Radner
Christopher Capen Ryan
Mario Gregory Sabatini
Kathryn Ann Schaberg
Philip James Spartano
John Martin Strawhorn
Susanna Savina Tonino
Diana Lois Yavecchia

*Russian School—August 17, 1965*

Victor Afanasief
Peter Bard
Thomas Keith Glasgow
Tatiana Kelly-Sokolova
Georges Nicolas Krivobok
Roman Piontkovsky
Glenn Herbert Ray
Sam Sookocheff
Jerry Jaroslav Stoklasa
Natalia Tusiuk

*Spanish School—August 17, 1965*

Concepcion Rosell y Fernandez Arango
Philip Raymond Baker
Barbara Pope Bennett
Brother Cormac Raymund
Brother Dean Warthen
Brother Peter Stewart
Robert Edward Creed
Donna Driver Cross
Nancy DeMonaco
Linda Rossi Dudas
Deanne Katherine Flouton
Eleanor Marie Fortig
James Warren Hammond
Alfonso Hernandez-Villareal
Zafera Constantino Kaffenzakis
Helene Y. Kalmowitz
Janet Peake Lijeron
Jean Gertrude Linder
Rosario Martinez
Thales Mims
William Arthur Morgan
Gerald Joseph Newall
Marcia Pears Easterling

Valentin Carmen Planiol
Ronald Martin Rankin
David Lee Shields
Dale Donald Shoemaker
Sister Aloysius Gonzaga (Puricelli)
Sister Marie Jose
Sister Mary Alphonsine (Cain)
Sister Mary Catherine
Joy Ellen Sonders
Rebecca Jane Stracener
Renan Emilio Suarez
Lynda Boldt Waldrep

*Graduate School of Spanish in Spain—August 17, 1965*

Anne Cooper Abernathy
Jose Maria Alvarez-Cervela
Barry DeWayne Amis
Barbara Iris Baker
Richard Ira Baker
Yvonne Bellew
Edmund Herbert Benner
Larry Lee Biddle
Gail Bonhag
Mary Gail Bourne
Janine Kay Bowling
William Collins Buell, V.
Mary Helen Carroll
Charles Thomas Cooper
Thomas Robert Doyle
Joseph Leo Eldred
Barbara Carol Fagan
Gene Steven Forrest
Joanne Foster
Norman Peter Frascella
Mansel Booth Gathings, Jr.
Mary Malcolm Gaylord
Patricia Elaine Gioia
Albert Gene Guidi
Susana Jijon Guzman
Anne Hamant
Mary Lorraine Holzer
John Ferguson Hook
Judith Sandria Howell
Ruth Harriett Judd
Diane Grace Kelly
Caryn Gail Korshin
William Sylvanus Kurtz
Howard Jay Lamson
Brian Paul Lifschitz
Eloise Joyce Listerman
Theodore Joseph Livesay
Michael Joseph Mahler, Jr.
Catherine Margaret O'Malley
Edward Joseph O'Malley
Joan Lynda Overly
Thomas Anthony Pabon
Irma Padovani Rodriguez
David Ralph Rearwin
Nathalie Winslow Richard
Gerald Alan Richardson
Marie Carmela Rita
Rosemary Lemmon Robinson
Susan Ann Roessner
Thomas Russell Rouzer
Ellen Margaret Rowe
Stephen Philip Scheible
Ira Scher
Richard Alan Seybolt
Elise Marie Spencer
Norma Elizabeth Stapleton
John Staulo
Alexandra Tcachuk
Michael David Tirado
Linda Jeanette Triegel
Barbara Smith Vidal
Robert Joseph White
Jeanne Bowden Winer
Lynne Fisher Wise
Susan McKee Wisehart
Richard Arthur Woehr
Ann Hoffman Wylie
Helen Geiss Yeaton

# Middlebury College

## DEGREES IN COURSE

## February 3, 1966

### MASTER OF ARTS

| | |
|---|---|
| Catherine Berlinghieri, B.A. (*Emmanuel College*) *1963* | *Arlington, Mass.* |
| Rolland Emile Fontaine, B.A. (*University of Ottawa*) *1955* | *Burlington, Vt.* |
| Marie Gontier Geno (Mrs.), Baccalauréat (*France*) *1945* | *Middlebury, Vt.* |
| Gratia Ann Kiracofe, B.A. (*Mary Baldwin College*) *1964* | *Staunton, Va.* |
| Edward Clayton Phelps, B.Ed. (*Keene Teachers College*) *1960* | *Bernardston, Mass.* |

### BACHELOR OF ARTS

James McAdam Black
John Walton Blodgett
William Noble Bryant
Robert Webb Farnsworth
Gordon Stone Kenyon
Martin Victor Lavin
Michael Wilford MacIntyre
Julia Collier Marble
Robert Charles Moore
Frederick Neal Noseworthy
Peter Walcott Swallow
George French Theriault, Jr.
William Page Thompson
Adin Miller Tooker
Alalazu Nduka Ugoji
Geoffrey Holmes Wadsworth
Edward Joseph Weissman
Nicholas Whittemore
Jonathan David Yerow

## June 13, 1966

### MASTER OF ARTS

| | |
|---|---|
| Nancy Kay Anderson, A.B. (*Northwestern University*) *1964* | *Arlington Heights, Ill.* |
| Jeanne Michael Cebulla (Mrs.) A.B. (*Hiram College*) *1963* | *Hudson, Ohio* |
| Camille Consolino, A.B. (*Jackson College for Women*) *1962* | *Medford, Mass.* |
| Deanna Earlene Crispin, A.B. (*Bryn Mawr College*) *1961* | *Pendleton, Oregon* |
| Michele Angela Destito, A.B. (*Lake Erie College*) *1964* | *Rome, N. Y.* |
| June Hoffman Dorion (Mrs.), A.B. (*University of Vermont*) *1943* | *Fair Haven, Vt.* |
| Lyne Lau, A.B. (*Bloomfield College*) *1965* | *New York, N. Y.* |
| Louis Leon Ollivier, A.B. (*St. Mary's College*) *1964* | *Denair, Calif.* |
| Rita Acquilina Porto, B.S. (*Southern Connecticut State College*) *1957* | *New Haven, Conn.* |
| Diana Sears, B.A. (*Wellesley College*) *1964* | *New York, N. Y.* |
| Betty Linn Smith, B.A. (*William and Mary College*) *1964* | *Raleigh, N. C.* |
| Barbara Anne Somogyi, B.A. (*Hunter College*) *1964* | *Syosset, N. Y.* |
| Paulette Lynn Sorg, A.B. (*College of New Rochelle*) *1965* | *Bronx, N. Y.* |
| Nancy Annett Taylor, B.A. (*Keuka College*) *1964* | *Moorestown, N. J.* |

## MASTER OF SCIENCE

Keith Norman Megathlin, A.B. (*Middlebury College*) *1964* — *Cohasset, Mass.*
Ralph Philbrook Stone, B.A. (*Bowdoin College*) *1964* — *Camden, Maine*
Edward John Walsh, A.B. (*Franklin and Marshall College*) *1964* — *Middlebury, Vt.*

## BACHELOR OF ARTS

Robert Edward Adamec
Andrea Maria Agrell
Gail Ellen Akley
Kristina Albright
Freeman Clarke Allen
John Parker Allen
Peter Sutton Allen
William Motley Ames
Kenneth Marshall Andersen, Jr.
Leslie Karen Anderson
Robert Horace Andrews, Jr.
Thomas Fontaine Armistead
Laurence Ervin Babcock
Virginia Lane Backus
Lynn LaRoux Baird
Kathryn Kellogg Baker
Douglas David Ballin, III
Ellyn Clemmer Ballou (Mrs.)
Lorraine Lyle Barstow
Marilyn Keyes Barstow (Mrs.)
William Merrill Barstow, III
Frederick Brewster Beams
Christine Lothgren Beattie (Mrs.)
John James Beattie, IV
Bjorn Ingvar Bergman
Gary Loyd Bevington
Mary Lou Bieri
Charles Alden Billings
Brenda Margaret Booth
Narcissa Ann Boyd
Donald Allen Brainard
George Thomas Britton, III
John Morrison Bassett Brodhead
Nancy Ann Brown
Arthur Roger Buchika
Carol Margaret Buck
John Merwin Buffum
Thomas Allan Bullard
Susan Leith Bunce
William Michael Burke
Sandra Burrington
George Harold Buttler, III
Carolyn Buttolph
Edward Allan Buttolph
James Brooks Cadenhead
Alenda Edith Canedy
Preston Leroy Carter
Richard Pomeroy Church, Jr.
Francine Gail Clark
Hugh David Clark
Thomas Charles Clark
William Alan Clarke
Robert Slaymaker Corkran
Mary Brown Cornwell (Mrs.)
Stephen Milne Curtis
Nancy Jean Cushman
Deborah Susan Dain
James Howard Dow Davis
James Spiro Davis
Anthony Vital Joseph de Sugny
Dennis Anthony Donahue
Deborah Donaker
Elizabeth Atwood Dunbar
Margaret Hall Dunn
Lucien Dupuy
Thomas Robert Easton
Sue Ellen Ebbeler
William Franklin Eldridge, Jr.
Albert Henry Elfner, III
David Lindsey Elliott
Lucy Acker Emmerich
Judith Ann Engle
Judith Ann Enright
Carolyn Estabrook
Martha Estle
Robert James Falconer, Jr.
Richard Calvin Fall
Martha Peirce Faulkner
Erna Rose Carol Ferlanti
Jonathan Severance Fish
Kathie Louise Forster
Virginia Anne Fox
William Fielding Frank
Carl David Frese

Prudence Beryl Frey
Carolyn Holmes Fried (Mrs.)
Shirley Anne Frobes
Patricia Lynne Fulton
John Paul Galassi, Jr.
Peter John Garon
Jean Graham Gear
Carol Susan Gillen
Samuel Hazard Gillespie, III
Karen Anne Glazier
Susan Carol Glazier
Dale Peter Goodridge
Glenn Alden Govertsen
Katherine Elizabeth Grace
Jane Jackson Graham
Terry Michael Granger
Katharine Mayhugh Grant
Margaret Anne Greenfield
Nancy Louise Haeffner
Wayne Richard Halliwell
Helen Sperry Hanna
Linnette Bliss Hannam
Susan Marie Hanyen
Mary Lucilla Harrington
Carolyn Gail Harris
Harriet Partridge Hartley
Joan Frances Hartnett
Brooks Palmer Heaton
Stephen Hunt Heidel
Susan Emily Hellier
Susanna Hepp
Roger Charles Herrmann
Leonard Nodding Hodgman
Edla Karina Holm
Ann Stuyvesant Hotchkiss
Michael Scott Howden
Gail Anne Howrigan
Donna Louise Hunt
Ann Branch Jacobsen
Karin Kristina Johansen
Nancy Patricia Johnson
Frederick Graham Kavanagh
Michael Kuehl Keefe
Janet Elizabeth Kehl
Diane Bettes Kepple
Russell Willard Kettell
John Dudley King, Jr.
Marguerite Crocitto King (Mrs.)
Nancy Ann King
Peter John Kingsley
Kenneth Allan Kirchhofer
Kristina Krall
William Coleman Kurimay
Charles Thorndike Ladd
Janet Langdon
Linda Kay Lapham
Hilde Margaret Lehmann
Elizabeth Jane Leppman
William Edward Lievens, II
Richard Alan Lippert
Margaret Elizabeth Liston
David Whitney Lodding
Judith Anne Loetterle
Carlisle Finley Lustenberger
Arthur Gordon McAleer, Jr.
Kenneth Ferguson MacAuley
Donald Duncan MacDermid
Scott Pearsall MacDonough
Scott Steinert MacFadyen
Richard Ogden McKerr
Bruce Charles MacKinnon
Alice Cynthia MacMackin
Nancy Drake McMullin
Lois Ann Markham
Judith Markland
Andrew Roger Marks
Peter Lawrence Marks
Jane Hart Marter
Cynthia Martin
Mart Calvin Matthews
Joanne Louise Meissner
Laura Jean Melville
John Milton Mettee
William Peter Michaels
Gerard Philip Michaud
Anthony Mijares
James Lewis Miller
Richard Paul Mills
Charles Henry Minnich, III
Gerald Arthur Moppert
Erle Houghton Morse
Donald Hawley Myers
Virginia McKenzie Neely
Robert Joseph North
Judith Ann Nothnagle
Wendy Peirson Nourjian (Mrs.)
Robert Edward O'Connell
Jane Elizabeth O'Donnell
Thomas Mark O'Reilly
Robert Earnest Palin, Jr.
Mary Ann Parker
Mary Catherine Patterson

Peter Klaus Penndorf
Steven Franklin Perry
Suzanne Lisette Pineau
Judith Pollard
Andrew J. Pollock
John Wesley Ragsdale, Jr.
Wolfhard Ramm
Linda Ann Ramsay
John Wenger Rehlen
Marshall Miller Rey
Didier Reymond
David Stanton Richardson
Geoffrey White Robinson
Kathleen Meyers Robinson (Mrs.)
David Goodfriend Rothschild
Judith Randolph Rowe
Marian Gould Ruggles
Alfred Bayard Russ
Constance Susan Harris Salomon (Mrs.)
Ronald James Salomon
Stephen Forgan Sanborn
Steven Neff Schatken
Daniel Frederick Schick
Andrew N. Schlein
Arlene Frances Schrader
Michael Sevareid
Roxanne Mary Sharland
Carolyn Hall Sharp
William Richard Shelly
Patricia Anne Shortell
Donald Hendricks Simon
Sally Sise
Wilson Roy Slaunwhite, III
Joyce Ann Smith
Richard Sears Smith
Timothy Wilder Smith
Donald Arthur Deel Snyder
Suzanne Snyder
Valerie Ruth Somers
Joseph Vincent Spitale, III
Carole Louise Steere
Sandra Eve Steinglass
Judith Louise Stern
Charlotte Munroe Stetson
Anne Virginia Stone
Ewel Hunter Stone, II
David Tailer Stonington
Jineen Ellen Summerton
William White Sumner
Carol Louise Swanson
John DeVennish Swartz
Martha Elizabeth Synerholm
Diane Naomi Takamune
David Palmer Talbott
Carol Sue Tarbox
Nancy Randall Taylor
David Yeomans Terry
David Fleming Thompson
Lois Thornhill
Thomas Rose Trafton
Timothy Lee Turnbull
Paul Warren Upson
John Richard Valby
Nicholas Vincent Van Nes
George Godfrey Voland, III
Judith Ann Vollmer
Peter Cawthorn Wade
George Mead Walker
Milton Burke Walker
Roy Phillips Walker
James Joseph Ward
Randel Ferris Washburne
Dianne Elizabeth Watson
Richard Simpson Watson, Jr.
Joel Davis Webb
Richard White Webbe
Pamela Martha Dynevor Weeks
Sharon Nancy Weston
Winfred Ward Whipple, Jr.
George Herbert Whyte
Harriet Thomson Williams
Pamela Margaret Williams
Robert John Wishart
Barry Whitcomb Wolcott
Caroline Mary Woodhams
Catherine Ann Zawistoski
Donald Merrill Zupanec

# June 13, 1966

## DEGREES CONFERRED WITH DISTINCTION

### Summa cum Laude

Margaret Elizabeth Liston

### Magna cum Laude

Robert Edward Adamec
Janet Elizabeth Kehl
James Joseph Ward

### Cum Laude

Ellyn Clemmer Ballou (Mrs.)
Brenda Margaret Booth
Thomas Allan Bullard
George Harold Buttler, III
Erna Rose Carol Ferlanti
Kathie Louise Forster
Ann Branch Jacobsen
Diane Bettes Kepple
Scott Pearsall MacDonough
Alice Cynthia MacMackin
Lois Ann Markham
Judith Markland
William Peter Michaels
Jane Elizabeth O'Donnell
Judith Randolph Rowe
Roxanne Mary Sharland
Sandra Eve Steinglass
Paul Warren Upson
Dianne Elizabeth Watson
Barry Whitcomb Wolcott
Caroline Mary Woodhams

### Department Honors

American Literature—*Honors:* Kenneth Marshall Andersen, Jr.
Marilyn Keyes Barstow (Mrs.)
Carol Margaret Buck
Scott Pearsall MacDonough

Biology—*High Honors:* Susan Carol Glazier

Chemistry—*Honors:* Peter Cawthorn Wade
Barry Whitcomb Wolcott

Drama—*Honors:* Richard Simpson Watson, Jr.

Economics—*High Honors:* Margaret Elizabeth Liston
Wolfhard Ramm

—*Honors:* William Alan Clarke
Judith Markland

English—*High Honors:* Brenda Margaret Booth
William Peter Michaels
Judith Randolph Rowe

—*Honors:* Francine Gail Clark

Fine Arts—*Honors:* Linnette Bliss Hannam

French—*High Honors:* Kathie Louise Forster

—*Honors:* Patricia Lynne Fulton

Geography—*High Honors:* Gail Anne Howrigan

—*Honors:* Jane Hart Marter
Nancy Randall Taylor

History—*High Honors:* James Joseph Ward

| | |
|---|---|
| —*Honors:* | Nancy Patricia Johnson |
| | Diane Bettes Kepple |
| | Elizabeth Jane Leppman |
| | Richard Paul Mills |
| | George Herbert Whyte |
| Mathematics—*High Honors:* | Richard Calvin Fall |
| Philosophy—*Honors:* | Mary Brown Cornwell (Mrs.) |
| Political Science—*High Honors:* | Donald Merrill Zupanec |
| Psychology—*High Honors:* | Robert Edward Adamec |
| —*Honors:* | Constance Susan Harris Salomon (Mrs.) |
| Sociology—*High Honors:* | Judith Ann Engle |
| | Carolyn Estabrook |
| | Dianne Elizabeth Watson |
| —*Honors:* | Prudence Beryl Frey |
| | Catherine Ann Zawistoski |

*Appointments to* Phi Beta Kappa

Robert Edward Adamec
Brenda Margaret Booth
George Harold Buttler, III
Ann Branch Jacobsen
Janet Elizabeth Kehl
Margaret Elizabeth Liston
Judith Markland
William Peter Michaels
Judith Randolph Rowe
Roxanne Mary Sharland
Sandra Eve Steinglass
James Joseph Ward
Dianne Elizabeth Watson

Commencement Honors

(*For students who have graduated since June 1965*)

*Men*

Valedictory Honors—Robert Edward Adamec

Salutatory Honors—James Joseph Ward

*Women*

Valedictory Honors—Margaret Elizabeth Liston

Salutatory Honors—Janet Elizabeth Kehl

## UNITED STATES ARMY COMMISSIONS

*Second Lieutenants, United States Army Reserve*

*Robert Edward Adamec, Medical Corps
**Freeman Clarke Allen, Signal Corps
William Motley Ames, Army Intelligence
Robert Horace Andrews, Jr., Medical Corps
Thomas Fontaine Armistead, Army Intelligence
Douglas David Ballin, III, Signal Corps
Bjorn Ingmar Bergman, Medical Corps
*George Thomas Britton, III, Army Intelligence

*John Merwin Buffum, Corps of Engineers
**Preston Leroy Carter, Medical Corps
*Richard Pomeroy Church, Jr., Artillery
*Hugh David Clark, Military Police Corps
Thomas Charles Clark, Adjutant Generals Corps
*James Howard Dow David, Adjutant Generals Corps
**Dennis Anthony Donahue, Armor
Thomas Robert Easton, Armor
Dale Peter Goodridge, Signal Corps
*Roger Charles Herrmann, Armor
Leonard Nodding Hodgman, Quartermaster Corps
*Michael Kuehl Keefe, Armor
William Edward Lievens, II, Army Intelligence
*Carlisle Finley Lustenberger, Artillery
Arthur Gordon McAleer, Jr., Medical Corps
Robert Edward O'Connell, Army Security
**David Stanton Richardson, Artillery
Andrew N. Schlein, Signal Corps
Richard Sears Smith, Artillery
*William White Sumner, Corps of Engineers
John DeVinnish Swartz, Artillery
David Fleming Thompson, Transportation Corps
Paul Warren Upson, Artillery
Randel Ferris Washburne, Transportation Corps
*Joel Davis Webb, Armor
Robert John Wishart, Artillery
*Barry Whitcomb Wolcott, Medical Corps

**Distinguished Military Graduates*
***Receive Commission upon completion of ROTC Summer Camp on 29 July 1966*

## UNITED STATES MARINE CORPS COMMISSION

*Second Lieutenant, United States Marine Corps Reserve*

Bayard Alfred Russ

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# Calendar for 1967-68

*(Tentative)*

**1967**

**SEPTEMBER**

14—Thursday, Freshman Week begins
17—Sunday, Freshman Convocation (10:45 a.m.) Mead Chapel
18—Monday, classes begin (8:00 a.m.)

**OCTOBER**

14—Saturday, Alumni Homecoming Day (College in Session)
21—Saturday, Parents' Weekend (College in Session)

**NOVEMBER**

4—Saturday, Norwich game away (classes end at 11 a.m. 8, 9, 10 o'clock classes at usual hours, 11 o'clock at 4 p.m. on Nov. 3)
22—Wednesday, Thanksgiving Recess begins (12 noon)
27—Monday, classes resume (8 a.m.)

**DECEMBER**

16—Saturday, Christmas Recess begins (12 noon)

**1968**

**JANUARY**

3—Wednesday, classes resume
18—Thursday, first semester classes end (5 p.m.)
22—Monday, Final Examinations begin
31—Wednesday, Final Examinations end

**FEBRUARY**

5—Monday, second semester classes begin (8 a.m.)
22—Thursday, Winter Carnival Recess begins (5 p.m.)
26—Monday, classes resume (8 a.m.)

**MARCH**

30—Saturday, Spring Recess begins (12 noon)

**APRIL**

8—Monday, classes resume (8 a.m.)
14—Easter

**MAY**

23—Thursday, classes end (5 p.m.)
27—Monday, Final Examinations begin

**JUNE**

5—Wednesday, Final Examinations end
9—Sunday, Baccalaureate
10—Monday, Commencement

**1967-68**

**SEPTEMBER**

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**OCTOBER**

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**NOVEMBER**

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**JANUARY**

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**1968**

**MARCH**

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**JUNE**

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**JULY**

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**AUGUST**

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